

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

001

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

WhitMar Exploration Company

3. ADDRESS AND TELEPHONE NO.

1021 Main Street, Suite 1100, Houston, TX 77002 (713) 739-7300

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)

At surface

At proposed prod. zone

946' FSL, 1008' FEL 528539X 39.64793
4388526Y 110.66737

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6.06 miles northeast of Wellington, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

946'

16. NO. OF ACRES IN LEASE

1,640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 acres

18. DISTANCE FROM PROPOSED
LOCATION TO NEAREST WELL,
DRILLING, COMPLETED, OR
APPLIED FOR, ON THIS LEASE, FT.

3,900'

19. PROPOSED DEPTH

5,600'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,885' GR

22. APPROX. DATE WORK WILL START*

July 15, 2004

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55 STC	54.50	405	500 sx Halliburton Premium +V Cement+2% CaCl+ 25#/sk Flocele
7-7/8"	5-1/2" J-55 ST&C	15.5	2400'	200 sx Halliburton Hi-Fill, Tail: 405 sx Halliburton Premium AG+1%CaCl+ 25 #/sk Flocele+ 10% Cal-Seal
8-3/4"	7" N-80 LTC	29.0	5700'	465 sx 50/50 Poz Premium AG+8%Bentonite+8% Cal-Seal= 25 #/sk Flocele, 70sx Halliburton Premium AG+1% CaCl+ .25 #/sk Flocele

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Federal Approval of this
Action is Necessary

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DIV. OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Agent for WhitMar

DATE

June 15, 2004

(This space for Federal or State office use)

PERMIT NO.

43-007-30979

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

BRADLEY G. HILL
ENVIRONMENTAL SCIENTIST III

DATE

10-18-04

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the United

Township 13 South

Range 11 East

(N89°57'W - 5334.12')

S89°49'00"W - 2656.12'

N89°44'47"W - 2643.13'

ELEVATION
5974'

34

(N00°20'E - 2667.06')

(N00°21'14"E - 5340.80')

(N00°22'E - 2651.22')

(S89°45'W - 2655.84')

(S89°45'W - 2658.48')

N89°44'06"W - 2664.95'

1007.71'
946.43'
WELL SWD #2
ELEVATION 5885.7
UTM
N 4388560
E 529340

Legend

- Drill Hole Location
- ⊙ Brass Cap (Found)
- Brass Cap (Searched for, but not found)
- △ Calculated Corner
- () GLO
- GPS Measured

NOTE:
UTM AND LATITUDE / LONGITUDE COORDINATES
ARE DERIVED USING A GPS WASS SYSTEM AND
ARE SHOWN IN NAD 27 DATUM.

LAT/LONG
39°38'54"N
110°39'29"W

Location:

THE WELL LOCATION WAS DETERMINED USING A TRIMBLE
4700 GPS SURVEY GRADE UNIT.

Basis of Bearing:

THE BASIS OF BEARING IS GPS MEASURED.

GLO Bearing:

THE BEARINGS INDICATED ARE PER THE RECORDED PLAT
OBTAINED FROM THE U.S. LAND OFFICE.

Basis of Elevation:

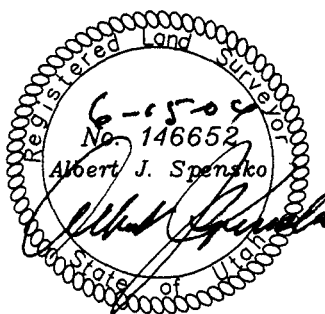
BASIS OF ELEVATION OF 5974' BEING AT THE NORTHEAST
CORNER OF SECTION 34, TOWNSHIP 13 SOUTH, RANGE 11 EAST
SALT LAKE BASE & MERIDIAN, AS SHOWN ON THE DEADMAN
CANYON QUADRANGLE 7.5 MINUTE SERIES MAP.

Description of Location:

PROPOSED DRILL HOLE LOCATED IN THE SE 1/4 SE 1/4 OF
SECTION 34; BEING 946.43' NORTH AND 1007.71' WEST
FROM THE SOUTHEAST CORNER OF SECTION 34, T13S, R11E,
SALT LAKE BASE AND MERIDIAN.

Surveyor's Certificate:

I, ALBERT J. SPENSKO, A REGISTERED PROFESSIONAL
LAND SURVEYOR, HOLDING CERTIFICATE 146652
STATE OF UTAH, DO HEREBY CERTIFY THAT THE
INFORMATION ON THIS DRAWING IS A TRUE AND
ACCURATE SURVEY BASED ON DATA OF RECORD AND
WAS CONDUCTED UNDER MY PERSONAL DIRECTION
AND SUPERVISION AS SHOWN HEREON.



Talon Resources, Inc.

195 North 100 West
Huntington, Utah 84528
Ph: 435-687-5310
Fax: 435-687-5311

WHITMAR EXPLORATION
COMPANY

WELL SWD #2

Section 34, T13S, R11E, S.L.B.&M.
Carbon County, Utah

Drawn By:
J. STANSFIELD

Drawing No.

A-1

Sheet 1 of 4

Checked By:
L.W.J./A.P.C.

Date:
06/14/04

Scale:
1" = 1000'

Job No.
1327

GRAPHIC SCALE

0 500' 1000'
(IN FEET)
1 inch = 1000 ft.

June 15, 2004

TALON RESOURCES INC

Mr. Eric Jones
Petroleum Engineer
Bureau of Land Management
82 East Dogwood
Maob, Utah 84532

RE: Application for Permit to Drill—WhitMar Exploration Company
SWD #2, 946' FSL, 1008' FEL, SE/4SE/4, Section 34, T13S, R11E, SLB&M
Carbon County, Utah

Dear Mr. Jones:

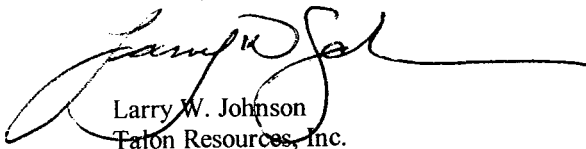
On behalf of WhitMar Exploration Company (WhitMar), Talon Resources, Inc. respectfully submits the enclosed original and one copy of the Application for Permit to Drill (APD) for the above referenced water disposal well. A request for exception to spacing (T649-3-2) based on Terrain and topography is hereby requested. WhitMar is the only owner and operator within 460' of the proposed well. The well, once completed will not be capable of any production and will only be utilized for the water disposal purposes. Included with the APD is the following supplemental information:

Exhibit "A"	Survey plats and layouts of the proposed well site
Exhibit "B"	Proposed location maps with pipe, power, and road corridors
Exhibit "C"	Drilling site layout
Exhibit "D"	Drilling Program
Exhibit "E"	Multi Point Surface Use Plan
Exhibit "F"	Typical Road Cross Section
Exhibit "G"	Typical BOP Diagram
Exhibit "H"	Typical wellhead manifold diagram

Please accept this letter as WhitMar's written request for confidential treatment of all information contained in the pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Whitney Marvin of WhitMar at 713-739-7300 if you have any questions or need additional information.

Sincerely,



Larry W. Johnson
Talon Resources, Inc.

cc. Whitney Marvin, WhitMar
Don Stephens, BLM, Price Office
Diana Whitney, DOGM, State Office
Mark Jones, DOGM, Price Field Office

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Drilling Program
Exhibit "D"

Attached to BLM Form 3
WhitMar Exploration Company
SWD #2
Se/4 SE/4, Sec. 34, T13S, R11E, SLB & M
946' FSL, 1,008' FEL
Carbon County, Utah

1. The Geologic Surface Formation

Blue Gate Shale Member of the Mancos Shale

2. Estimated Tops of Important Geologic Markers

<u>Marker</u>	<u>Depth (MD)</u>
Mancos Blue Gate Marker	2,200'
Ferron Sandstone	2,500'
Total Depth	5,600'

3. Projected Gas & Water Zones

Ferron coals and sandstones 2,500' to 2,760'

No groundwater is expected to be encountered. Water encountered will be reported on a Form 7 "Report of Water Encountered During Drilling".

Casing & cementing will be done to protect potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones, and prospectively valuable mineral deposits. All indications of usable water will be reported.

Surface casing will be tested to 1000 psi.

4. The Proposed Casing and Cementing Programs

<u>HOLE SIZE</u>	<u>SETTING DEPTH (INTERVAL)</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>CONDITION</u>
17- 1/2"	405'	13-3/8"	54.50# J-55 ST&C	New
12-1/4"	2400'	9-5/8"	36.00# J-55 ST&C	New
8-3/4"	5700'	7"	29.0# N-80 LTC	New

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Cement Program – Every attempt will be made to bring cement back to surface

Surface Casing: 500 sacks Halliburton Premium Plus V Cement + 2% CaCl + 0.25 lb/sk Flocele;

Weight: 15.6 #/gal

Yield: 1.20 cu.ft/sk

Intermediate Casing Lead: 200 sacks Halliburton Hi-Fill;

Weight: 11 #/gal

Yield: 3.86 cu.ft/sk

Tail: 405 sacks Halliburton Premium AG + 1% CaCl + 0.25 lb/sk Flocele + 10% Cal-Seal;

Weight: 14.20#/gal

Yield: 1.61 cu.ft/sk

Production Casing: Lead: 465 sacks 50/50 Poz Premium AG + 8% Bentonite + 8% Cal-Seal + 0.25 #/sk Flocele;

Weight: 12.50 #/gal

Yield: 1.94 cu.ft/sk

Tail: 70 sacks Halliburton Premium AG + 1% CaCl + 0.25 #/sk Flocele;

Weight: 15.80 #/gal

Yield: 1.16 cu.ft/sk

The following shall be entered in the driller's log:

- 1) Blowout preventer pressure tests, including test pressures and results;
- 2) Blowout preventer tests for proper functioning;
- 3) Blowout prevention drills conducted;
- 4) Casing run, including size, grade, weight, and depth set;
- 5) How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.;
- 6) Waiting on cement time for each casing string;
- 7) Casing pressure tests after cementing, including test pressures and results.

5. **The Operator's Minimum Specifications for Pressure Control**

Exhibit "G" is a schematic diagram of the blowout preventer equipment. A double gate 2000 psi BOP will be used with a rotating head. This equipment will be tested to 2000

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psi. All tests will be recorded in a Driller's Report Book. Physical operation of BOP's will be checked on each trip.

6. The Type and Characteristics of the Proposed Circulating Muds

0 - 750' 12-1/4" hole Drill with air, will mud-up if necessary.

750' - TD 7-7/8" hole Drill with air, will mud-up if necessary.
500 psi @ 1500-2300 Scf.

If fluid is necessary it will be fresh water + Quik-Gel + Pac-R + Therma-Thin + Barolift at 8.5 – 8.8 #/gal maximum.

7. The Testing, Logging and Coring Programs are as followed

750-TD Schlumberger Neutron-Density, PEX-AITH

Overpressuring

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 1000 psi max. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

Lost Circulation

Previous drilling records in this area indicate potential lost circulation while drilling or cementing the production casing for the wells. We plan to include lost circulation material in the production cement and have lost circulation material /additives on location while drilling.

8. Anticipated Starting Date and Duration of the Operations.

The well will be drilled approx.: July 15, 2004.

Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Bureau of Land Management:

- (a) prior to beginning construction;
- (b) prior to spudding;
- (c) prior to running any casing or BOP tests;
- (d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall be reported to the Bureau of Land Management and the Division of Oil, Gas & Mining immediately.

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Bureau of Land Management
Moab District / Price Field Office
Application for Permit to Drill
On-Site Inspection Checklist
Exhibit "E"

Company: WhitMar Exploration Company Well No.: SWD #2

Location: *Section 34, T13S, R11E SLB & M*

Lease No.: *Federal UTU-80556*

On-Site Inspection Date: 06/21/04

B. THIRTEEN POINT SURFACE USE PLAN

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- a. Proposed route to location: *From Wellington, Utah proceed east along SR-6 for approximately 2.35 miles. Turn left off of SR-6 onto East Coal Creek Road, proceed north on East Coal Creek Road 3.17 miles to the Knight Ideal Mine Road. Proceed north on the Knight Ideal Mine Road for 4.50 miles to the flagged access road leaving the road surface east to the proposed well. (See Exhibit "B").*
- b. Location of proposed well in relation to town or other reference point: *Approximately 8.5 miles northeast of Wellington, UT.*
- c. Contact the County Road Department for use of county roads. The use of Carbon County roads will require an encroachment permit from the Carbon County Road Department:
Encroachment permit is presently pending for the Knight Ideal Mine Road.

2. Planned Access Roads:

- a. Location (centerline): *From the existing Knight Ideal Mine road continue east approximately 360' to the proposed well. Planned access begins at a point approximately 950' FSL & 1,360' FEL, Section 34, T13S, R11E.*
- b. Length of new access to be constructed: *Approximately 360'*
- c. Length of existing roads to be upgraded: *Approximately None*
- d. Maximum total disturbed width: *60'*
- e. Maximum travel surface width: *25'*
- f. Maximum grades: *10%*
- g. Turnouts: *None*

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- h. Surface materials: *Native*
- i. Drainage (crowning, ditching, culverts, etc): *Roads will be crowned with bar ditches on both sides and approximately 1 culvert placed along the new road.*
- i. Cattleguards: *None.*
- k. Length of new and/or existing roads which lie outside the lease boundary for which a BLM right-of-way is required: *None*
- l. Other:

Surface disturbance and vehicular travel will be limited to the approved location access road. Any additional area needed must be approved by the Land Owner in advance.

If a right-of-way is necessary, no surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.

If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.

If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) Road standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

- 3. Location of Existing Wells - on a map, show the location of all water, injection, disposal, producing and drilling wells within a one mile radius of the proposed well, and describe the status of each: *See Exhibit "B"*
- 4. Location of Production Facilities:
 - a. On-site facilities: *See Exhibit "E"*
 - b. Off-site facilities: *None except for the buried power line and pipelines*
 - c. Pipelines: *Approximately 360' of pipeline corridor containing 2 (gas and water) 4" to 8" pipelines will be installed along the north side of the proposed road in the same trench as the power line.*
 - d. Power lines: *Approximately 360' of power line corridor containing one 3-phase power line will be installed along the north side of the proposed road in the same trench as the pipelines.*

All permanent (in place for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, non-reflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply

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with Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: *slate grey*

All site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3
Colors will be as follows: *slate grey*

If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4.

Production facilities on location may include a lined or unlined produced water pit. If water is produced from the well, an application must be submitted.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from (describe location and/or show on A map): *All water needed for drilling will be obtained from a local municipal water source, Since this well will be primarily drilled with air, minimal water will be needed.*

6. Source of Construction Material:

Pad construction material will be obtained from (if the source is Federally owned, show location on a map): *Private Owner in Wellington, Utah*

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Any gravel used will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

Describe the methods and locations proposed for safe containment and disposal of waste material, e.g. cuttings, produced water, garbage, sewage, chemicals, etc.

The reserve pit will be located: *Inbound and along the Northern side of the pad.*

The reserve pit will be constructed so as not to leak, break, or allow discharge.

The reserve pit will be lined with native material unless designated otherwise by BLM officers prior to construction. Pit walls will be sloped no greater than 2 to 1.

The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. As soon as the reserve pit has dried, all areas not needed for production will be rehabilitated.

Trash must be contained in a trash cage and hauled away to an approved disposal site as

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necessary but no later than at the completion of drilling operations.

8. Ancillary Facilities: Garbage Containers and Portable Toilets

9. Well Site Layout - The pit, rig, cut and fill, topsoil, etc. on a plat with a scale of at least 1" = 50'.

All well, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.

Access to the well pad will be from: *West*

The blooie line will be located: *At least 100 feet from the well head.*

To minimize the amount of fugitive dust and spray escaping from the blooie pit, the following blooie line deflection method will be employed: *Water Injection.*

10. Plans for Restoration of the Surface:

The top 6 inches of topsoil material will be removed from the location and stockpiled separately on: *Adjacent undisturbed land in a windrow fashion.*

Topsoil along the access road will be reserved in place adjacent to the road.

Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.

The reserve pit and that portion of the location not needed for production will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be re-contoured to replicate the natural slope.

The stockpiled topsoil will be evenly distributed over the disturbed area.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled between Sept. and Nov., or at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used: *BLM-recommended mixture.*

The abandonment marker will be one of the following, as specified by BLM:

- 1) at least four feet above ground level,
- 2) at restored ground level, or
- 3) below ground level.

In any case the marker shall be inscribed with the following: operator name, lease number, Well name and surveyed description (township, range, section and either quarter-quarter or footage.).

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11. Surface and Mineral Ownership:

Surface Owner: **Private: Lester C. & Carol Lynn Thayn, TR.**

Surface Representative: **Lester C. Thayn: 435-637-4512**

Mineral Ownership: **Federal; Bureau of Land Management**

12. Other Information:

- a. *Archeological Concerns: A Cultural Resource evaluation has been completed on May, 2004 from Senco-Phenix Archaeological Consultants and a report Have been submitte to the the appropriate agencies.*

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work That might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

1. whether the materials appear eligible for the National Register of Historic Places;
2. the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
3. a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

- b. *Threatened and Endangered Species Concerns: Prior to any surface disturbing activities an on-the-ground survey will be completed by Buys & Associates, Inc. in May 2004 with a report to be submitted to the BLM wildlife biologist.*
- c. *Wildlife Seasonal Restrictions (yes/no): See Environmental Impact Statement (EIS)*
- d. *Off Location Geophysical Testing: N/A*
- e. *Drainage crossings that require additional State or Federal approval: None*
- f. *Other:*

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13. Lessee's or Operator's Representative and Certification

Representative: Whitney Marvin – Landman, President and Chairman


Name: WhitMar Exploration Company

Address: 1021 Main Street, Suite 1100, Houston, Texas 77002

Phone No: (713) 739-7300 office
(713) 739-7333 fax

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Whitmar and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under WhitMar's pending BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature:  Date: 6/15/2004

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C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location - Contact the Resource Area, Natural Resource Protection Specialist at least 24 hours prior to commencing construction of location.

Spud - The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hold digger or big rig.

Daily Drilling Reports - Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations - In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices - There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notices and Reports on Wells: (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling suspensions - Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events - Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTLA.

Cultural Resources - If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First production - Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report - Whether the well is completed as a dry hole or as a producer, "Well Completion and Re-completion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analysis, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings and/or samples) will be submitted when requested by the Assistant District Manager.

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Venting/Flaring of Gas - NTL-4A allows venting/flaring of gas during the initial well evaluation period not to exceed 30 days or 50 Mmcf. Venting/flaring beyond the initial test period threshold must be approved by the District Office.

Produced Water - Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the Assistant District Manager for approval.

Off-Lease Measurement, Storage, Commingling - Prior approval must be obtained from the Assistant District Manager for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment - If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Divisions within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

TABLE 1
NOTIFICATIONS

Notify Don Stephens of the Price Resource Area, at (435) 636-3608 for the following:

2 days prior to commencement of dirt work construction or reclamation;

1 day prior to spudding

50 feet prior to reaching surface and intermediate casing depths;

3 hours prior to testing BOPE;

12 hours prior to reaching kickoff point depth (if applicable).

If the person at the above number cannot be reached, notify the Moab District Office at (435) 259-6111. If unsuccessful, notify one of the people listed below.

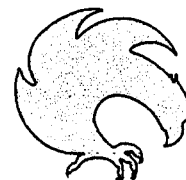
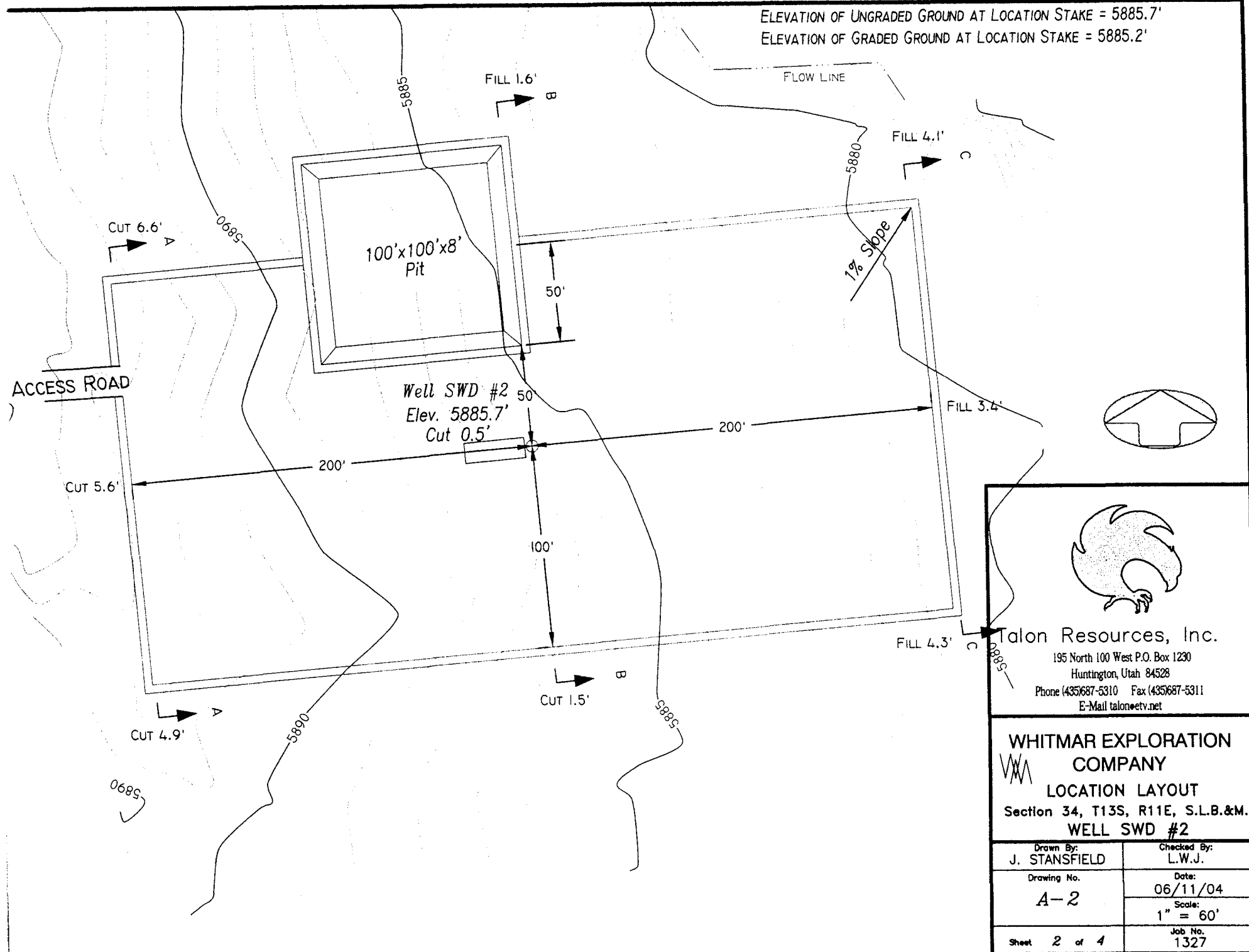
Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (435) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: (435) 259-6111

Home: (435) 259-2214

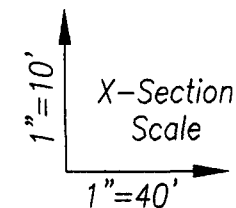
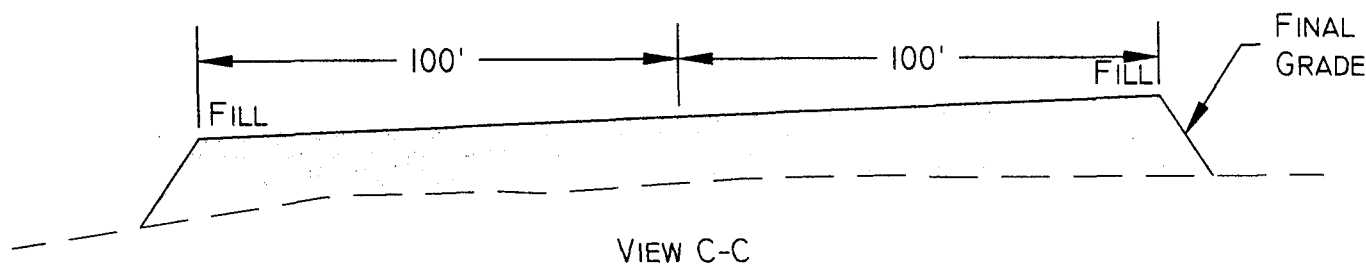
ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 5885.7'
ELEVATION OF GRADED GROUND AT LOCATION STAKE = 5885.2'



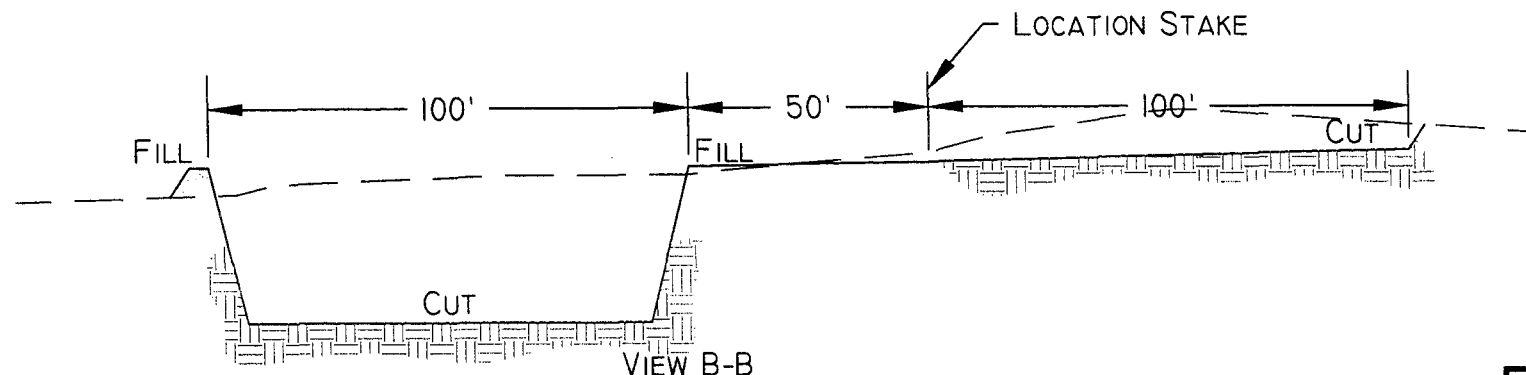
Talon Resources, Inc.
195 North 100 West P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon@etv.net

**WHITMAR EXPLORATION
COMPANY**
LOCATION LAYOUT
Section 34, T13S, R11E, S.L.B.&M.
WELL SWD #2

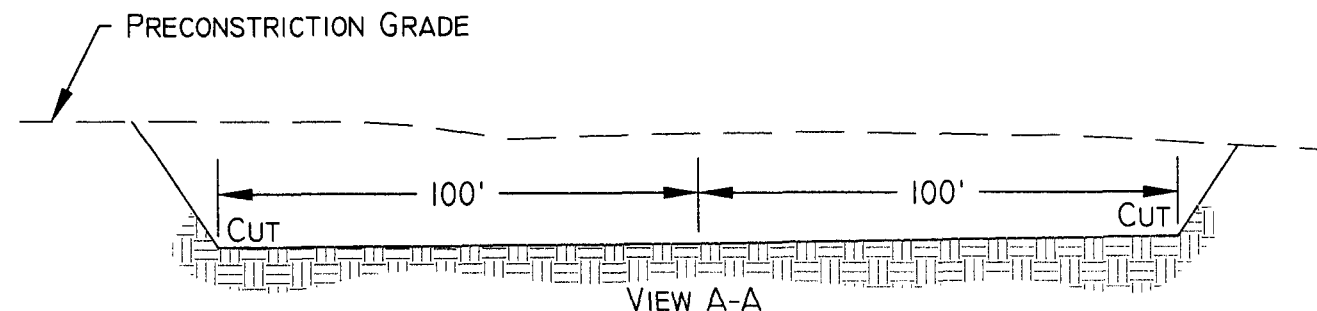
Drawn By: J. STANSFIELD	Checked By: L.W.J.
Drawing No. A-2	Date: 06/11/04
	Scale: 1" = 60'
Sheet 2 of 4	Job No. 1327



SLOPE = 1 1/2 : 1



(EXCEPT PIT)
PIT SLOPE = 1 ; 1



Talon Resources, Inc.

195 North 100 West P.O. Box 1230
Huntington, Utah 84528

Phone (435)687-5310 Fax (435)687-5311
E-Mail talon@etv.net

**WHITMAR EXPLORATION
COMPANY**

TYPICAL CROSS SECTION
Section 34, T13S, R11E, S.L.B.&M.
WELL SWD #2

Drawn By: J. STANSFIELD	Checked By: L.W.J.
Drawing No. C-1	Date: 06/14/04
	Scale: 1" = 40'
Sheet 3 of 4	Job No. 1327

APPROXIMATE YARDAGES

CUT

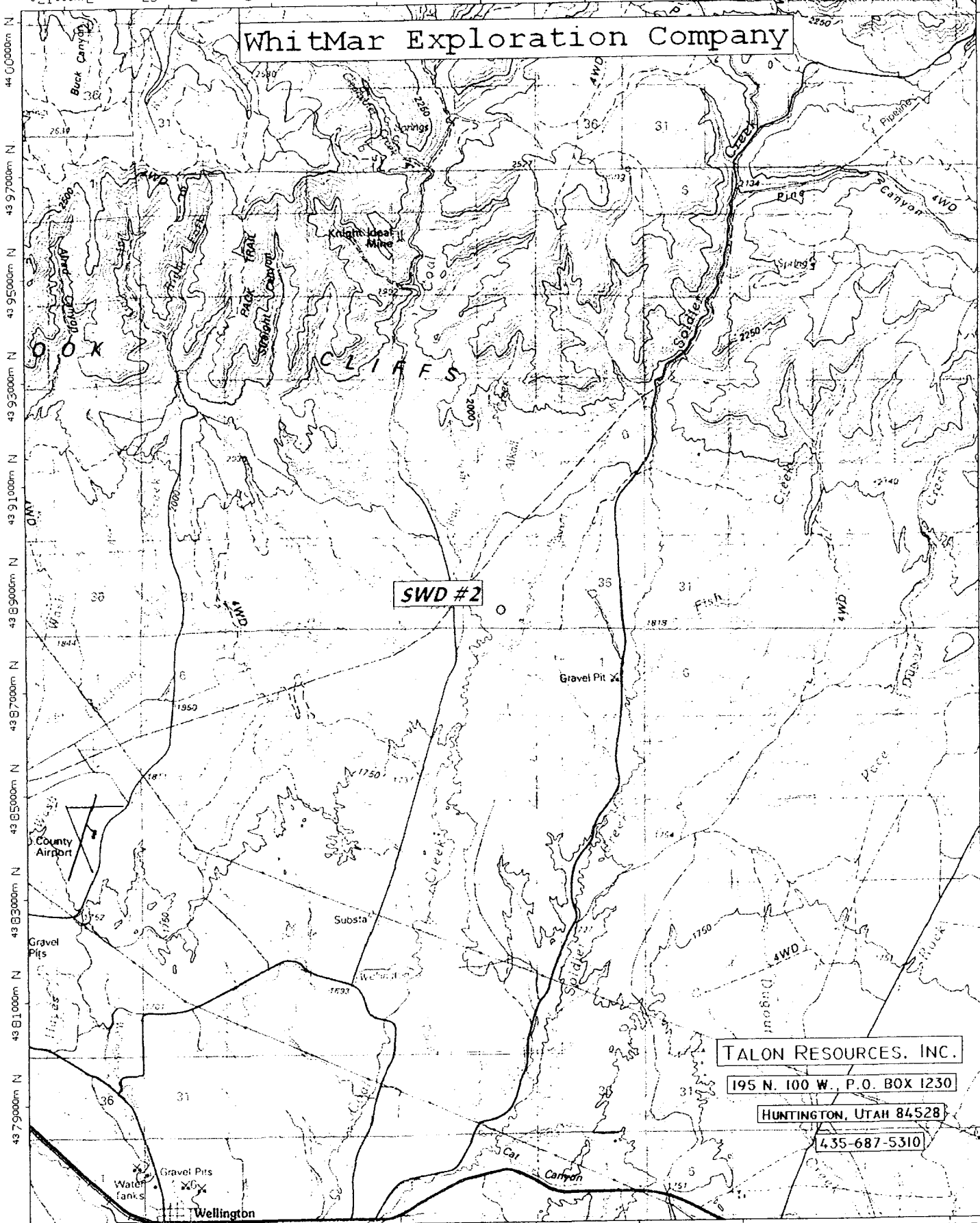
(6") TOPSOIL STRIPPING = 750 CU. YDS.

REMAINING LOCATION = 5,635 CU. YDS.

TOTAL CUT = 8,150 CU. YDS.

TOTAL FILL = 3,075 CU. YDS.

WhitMar Exploration Company



TALON RESOURCES, INC.

195 N. 100 W., P.O. BOX 1230

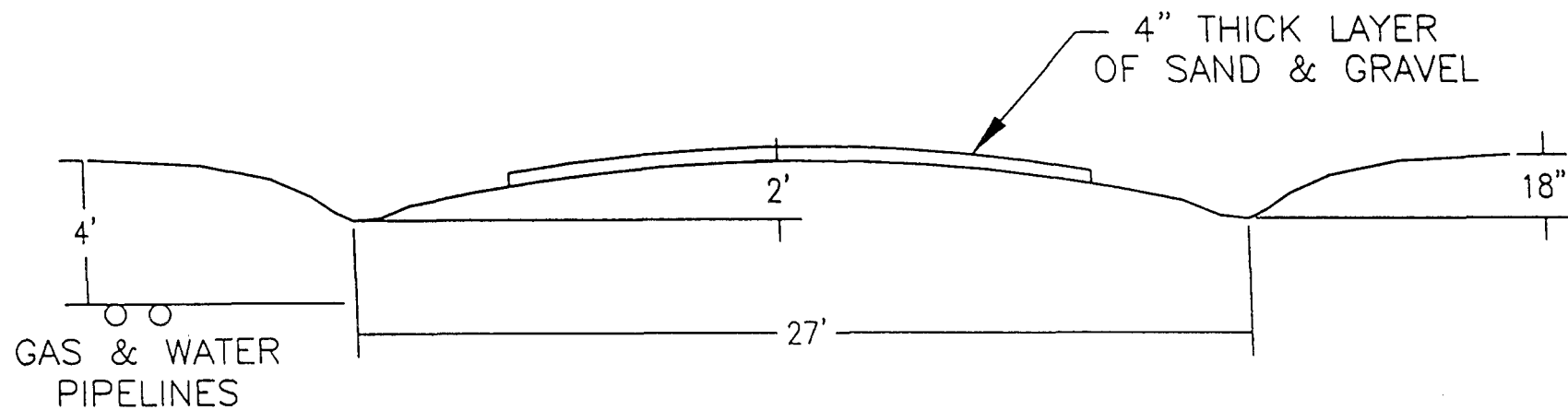
HUNTINGTON, UTAH 84528

435-687-5310

TN * MN
12°

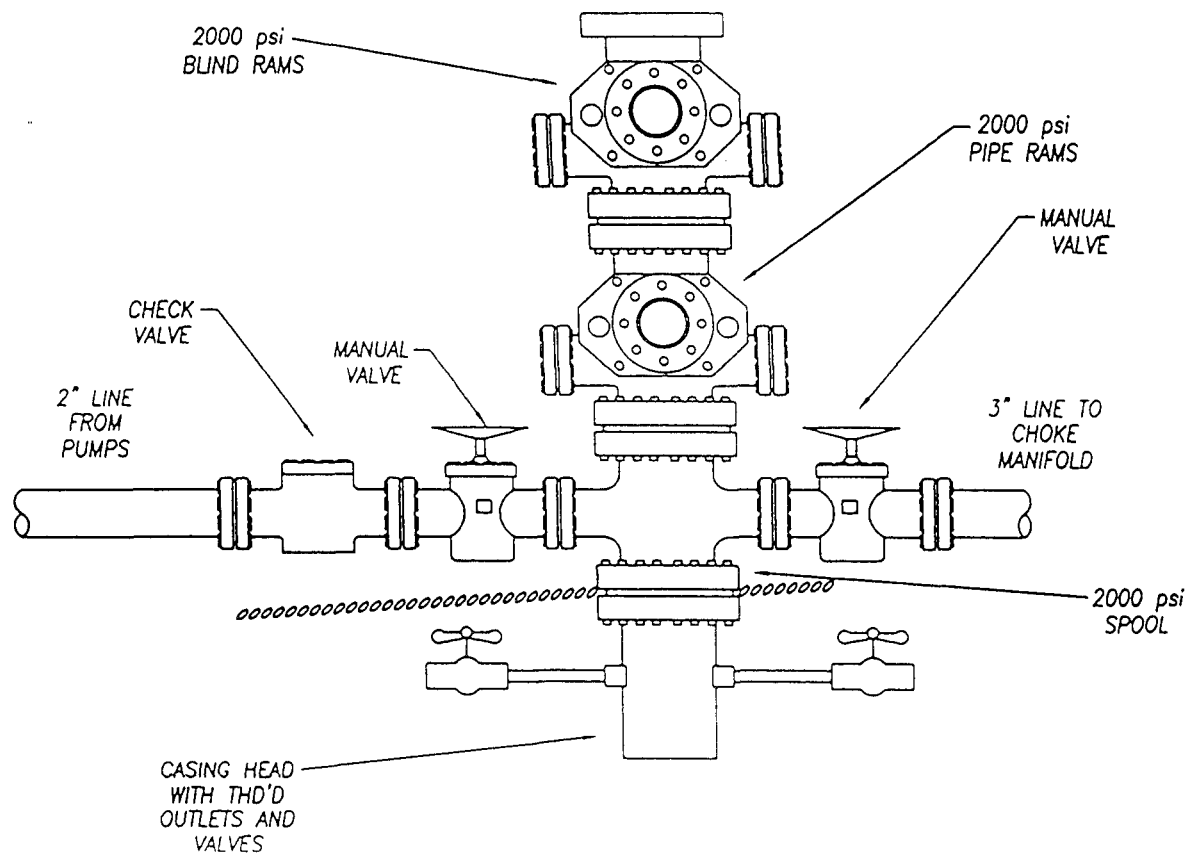
0 0.5 1 1.5 2 2.5 3 3.5 miles
0 1 2 3 4 5 km

TYPICAL ROAD CROSS-SECTION

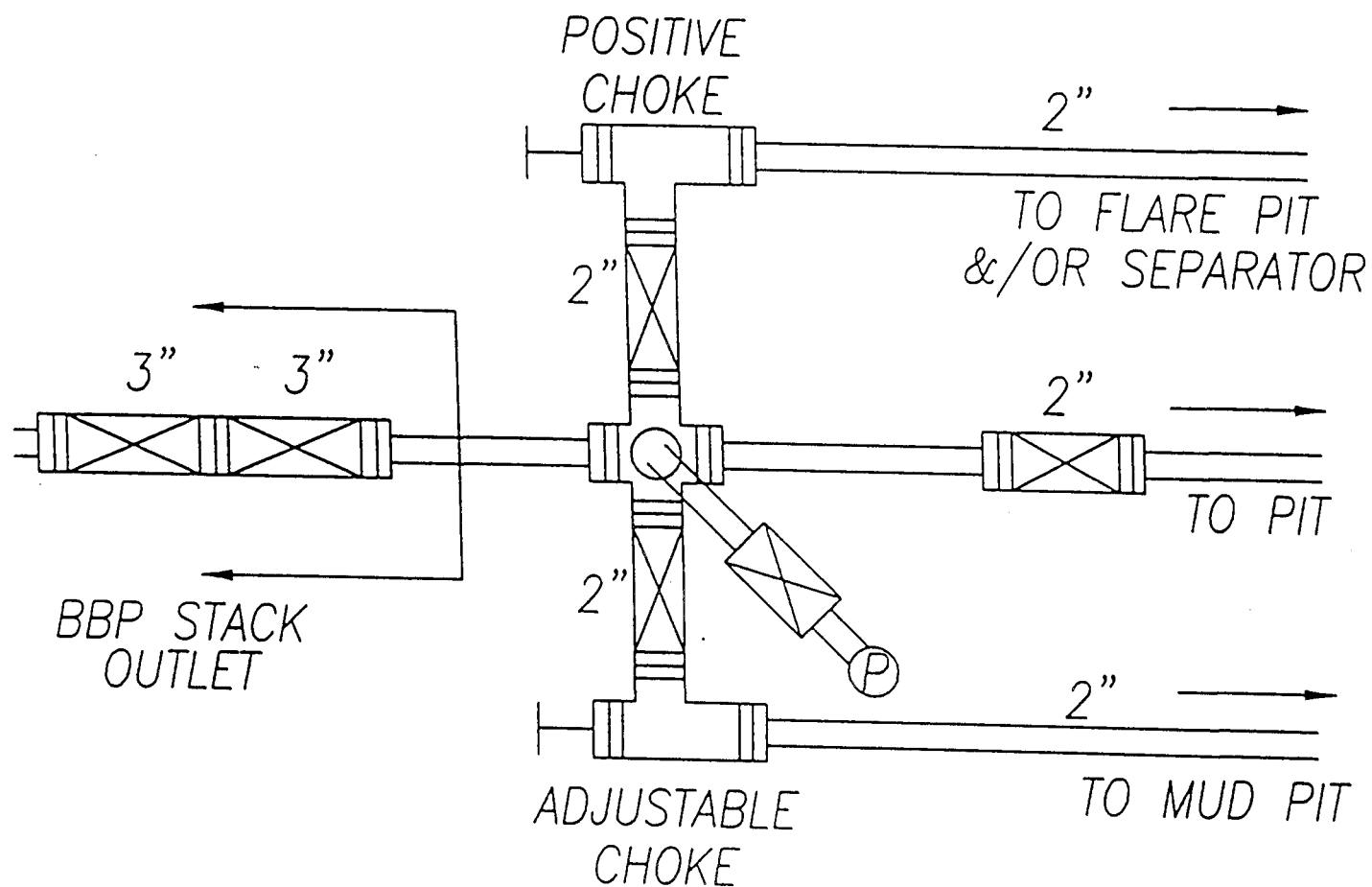


BOP Equipment

2000 psi WP



CHOKE MANIFOLD



004

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/23/2004

API NO. ASSIGNED: 43-007-30979

WELL NAME: SWD #2

OPERATOR: WHITMAR EXPLORATION (N2585)

CONTACT: LARRY JOHNSON

PHONE NUMBER: 435-687-5310

PROPOSED LOCATION:

SESE 34 130S 110E

SURFACE: 0946 FSL 1008 FEL

BOTTOM: 0946 FSL 1008 FEL

CARBON

WILDCAT (1)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-80556

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: FRSD

COALBED METHANE WELL? ~~YES~~ ^{no}

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.64793

LONGITUDE: 110.66737

RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 104195928)
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit
(No. MUNICIPAL)
- ☒ RDCC Review (Y/N)
(Date:)
- ☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

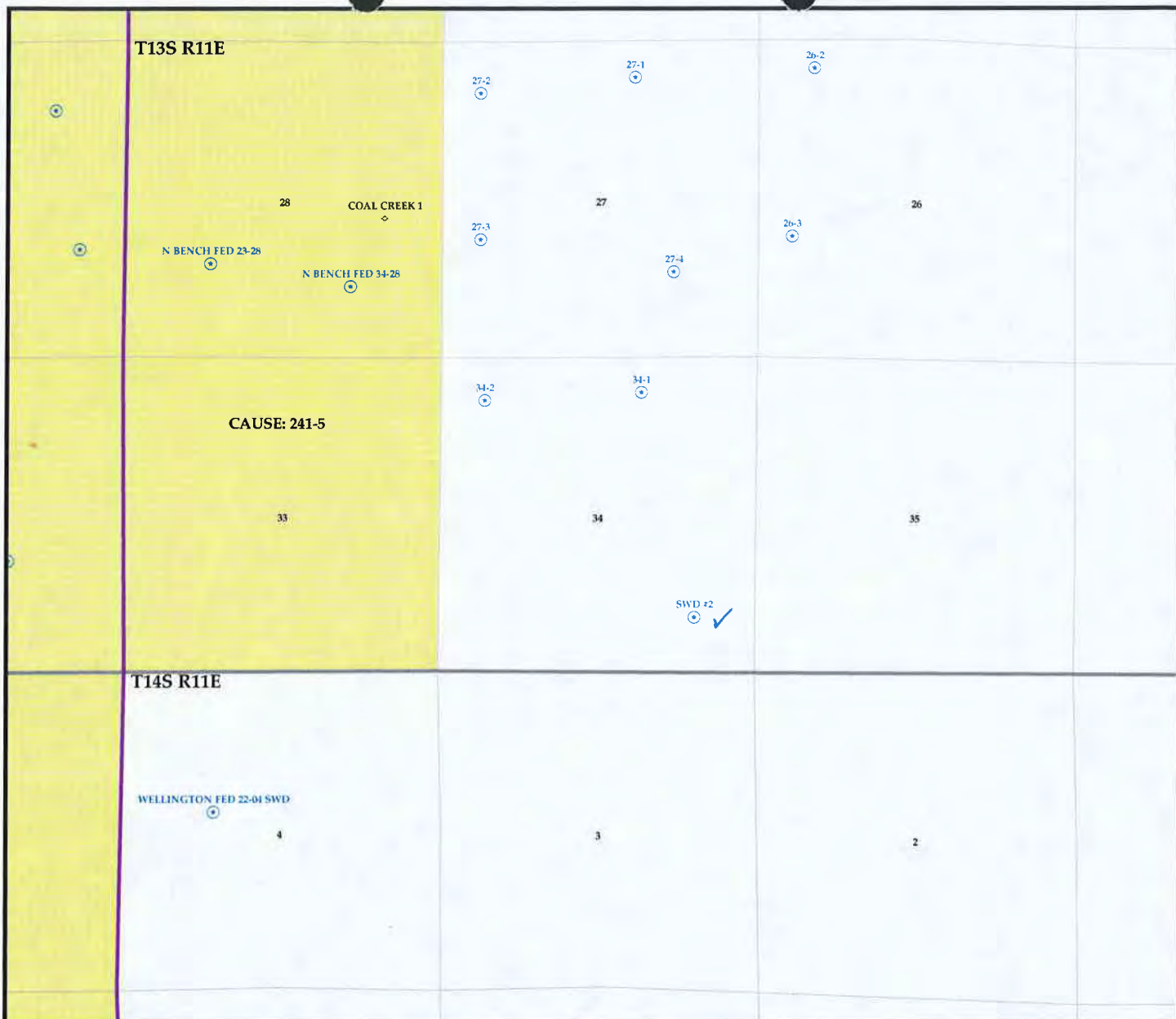
- ___ R649-2-3.
Unit _____
- ___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ☒ R649-3-3. Exception
- ___ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- ___ R649-3-11. Directional Drill

COMMENTS:

Needs Presub (Recd 6/21/04)

STIPULATIONS:

- 1- Federal Approval
- 2- Spacing Strip
- 3- STATEMENT OF BASIS



OPERATOR: WHITMAR EXPL CO (N2585)

SEC. 34 T.13S R.11E

FIELD: WILDCAT (001)

COUNTY: CARBON

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

Wells

- ✱ GAS INJECTION
- ✱ GAS STORAGE
- ✱ LOCATION ABANDONED
- ⊙ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- ☆ PRODUCING GAS
- PRODUCING OIL
- ⬮ SHUT-IN GAS
- ⬮ SHUT-IN OIL
- ✱ TEMP. ABANDONED
- ⊙ TEST WELL
- ⬮ WATER INJECTION
- ⬮ WATER SUPPLY
- ⬮ WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY
DATE: 24-JUNE-2004

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: WhitMar Exploration Company
WELL NAME & NUMBER: SWD 2
API NUMBER: 43-007-30979
LEASE: Federal FIELD/UNIT: _____
LOCATION: 1/4, 1/4 SESE Sec: 34 TWP: 13S RNG: 11E 946 FSL 1007 FEL
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F **ANOTHER WELL.**
GPS COORD (UTM): X = _____ E; Y = _____ N **SURFACE OWNER:** L. Thayne Trust

PARTICIPANTS

M. Jones, Bart Kettle (DOGM), A. Childs (TALON for WhitMar), Rex Sacco (Carbon County).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Proposed location is ~6 miles northeast of Wellington, Utah. Staked location lies south of the abandoned Knight Ideal coal mine ~3.5 miles in the Coal Creek area. Access to this well will be along existing Carbon County maintained roadways. Approximately 360' of new access road will be build for this location. The direct area drains to the southeast into Coal Creek then south-eastwardly eventually into the Price River, a year-round live water source. Dry washes run throughout the area, which have the potential of carrying large volumes of water in thunderstorm events.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife habitat and grazing.

PROPOSED SURFACE DISTURBANCE: 200' x 400' (100' x 100' x 8' included pit.)

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 2 proposed well are within a 1 mile radius of the above proposed well.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Along roadside and on location.

SOURCE OF CONSTRUCTION MATERIAL: Obtained locally and transported in.

ANCILLARY FACILITIES: None anticipated.

WASTE MANAGEMENT PLAN:

Portable chemical toilets which will be emptied into the municipal waste treatment system; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill. Crude oil production is unlikely. Drilling fluid, completion / frac fluid and cuttings will be buried in the pit after evaporation and slashing the pit liner. Produced water will be gathered to the evaporation pit and eventually injected via an approved salt-water

disposal well. Used oil from drilling operations and support is hauled to a used oil recycler and reused.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Dry washes.

FLORA/FAUNA: Sagebrush, shadscale, broom snakeweed, prickly pear, greasewood, grasses, deer, antelope, small game, raptors and other fowl, and rodents.

SOIL TYPE AND CHARACTERISTICS: sandy clay loam.

EROSION/SEDIMENTATION/STABILITY: Stable until disturbed.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: Dugout earthen pit.

LINER REQUIREMENTS (Site Ranking Form attached): Liner required.

SURFACE RESTORATION/RECLAMATION PLAN

As per surface use agreement.

SURFACE AGREEMENT: Agreement signing contingent upon BLM EA approval. Also talk of purchasing the property from the current landowner.

CULTURAL RESOURCES/ARCHAEOLOGY: Arch study completed by Senco-Pheonix.

OTHER OBSERVATIONS/COMMENTS

Note that bonding was not in place yet at time of pre-site inspection.

ATTACHMENTS

Photos of this location were taken and placed on file.

Mark L. Jones
DOGM REPRESENTATIVE

June 21, 2004 / 1:00 pm
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>2</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>10</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 22 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.



UTAH DIVISION OF WATER RIGHTS

WRPLAT Point of Diversion Query Program

Version: 2004.03.26.00

Rundate: 07/16/2004 01:49 PM

Section Query Page

Search

Browse

Bearing Calculator

Location Calculator

Quit

Fill in the information below and press the submit button to perform a point of diversion search using a radius from a point.

Search Radius (feet): 5280

from a point located North 946 feet West 1008 feet

from the SE Corner, Section 34

Township 13S, Range 11E, SL b&m.

QUERY TYPE LIMITATIONS

STATUS OF RIGHT	TYPE OF DIVERSION	APPLICATION TYPE	WATER USE TYPE
<input checked="" type="checkbox"/> Unapproved	<input checked="" type="checkbox"/> Underground	<input checked="" type="checkbox"/> Water Right	<input checked="" type="checkbox"/> Irrigation
<input checked="" type="checkbox"/> Approved	<input checked="" type="checkbox"/> Surface	<input checked="" type="checkbox"/> Changes	<input checked="" type="checkbox"/> Stock Water
<input checked="" type="checkbox"/> Perfected	<input checked="" type="checkbox"/> Springs	<input checked="" type="checkbox"/> Exchanges	<input checked="" type="checkbox"/> Domestic
<input type="checkbox"/> Terminated	<input checked="" type="checkbox"/> Drains	<input type="checkbox"/> Test Wells	<input checked="" type="checkbox"/> Municipal
	<input checked="" type="checkbox"/> Point to Point	<input type="checkbox"/> Sewage Reuse	<input checked="" type="checkbox"/> Mining
	<input type="checkbox"/> Rediversion		<input checked="" type="checkbox"/> Power
			<input checked="" type="checkbox"/> Other

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UTAH DIVISION OF WATER RIGHTS

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**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: WhitMar Exploration Company
WELL NAME & NUMBER: SWD 2
API NUMBER: 43-007-30979
LOCATION: 1/4, 1/4 SESE Sec: 34 TWP: 13S RNG: 11E 946 FSL 1007 FEL

Geology/Ground Water:

Significant volumes of high quality ground water are unlikely to be encountered at this location. A poorly permeable soil is likely to be developed on the Blue Gate Member of the Mancos Shale. The proposed casing and cementing program should adequately isolate any zones of fresh water that may be penetrated. No water rights have been filed within a mile of the proposed well site.

Reviewer: Christopher J. Kierst

Date: 7/16/2004

Surface:

Proposed location is ~6 miles northeast of Wellington, Utah. Staked location lies south of the abandoned Knight Ideal coal mine ~3.5 miles in the Coal Creek area. Access to this well will be along existing Carbon County maintained roadways. Approximately 360' of new access road will be build for this location. The direct area drains to the southeast into Coal Creek then south-eastwardly eventually into the Price River, a year-round live water source. Dry washes run throughout the area, which have the potential of carrying large volumes of water in thunderstorm events. Pit ranking criteria scored at level I, liner required. The surface owner was invited but chose not to attend this on-site meeting. Carbon County was in attendance.

Reviewer: Mark L. Jones **Date:** July 9, 2004

Conditions of Approval/Application for Permit to Drill:

1. Berm the location and pit.
2. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
3. Divert all existing drainages around the location.

002

WHITMAR EXPLORATION COMPANY

*Market Square Center
1400 16th Street, Suite 400
Denver, Colorado 80202
Telephone 720-932-8197 • Fax 720-932-8100*

*One City Centre
1021 Main Street, Suite 1100
Houston, Texas 77002
Telephone 713-739-7300 • Fax 713-739-7333
Joseph Kilchrist, Operations Engineer
Email: jkilchrist@whitmar.com*

14 July 2004

Mr. Allen Parker Childs, President
Talon Resources, Inc.
Post Office Box 1230
Huntington, Utah
84528

RE: Surface Damage Release and Surface Right of Way Grant

Dear Allen;

Please find attached the referenced document, which is a copy of the original. Both parties notarized the original.

I trust this shall suffice for the regulatory bodies for purposes of Application for Permit to Drill (APD) and that Talon Resources will submit same in a timely manner.

If this is not the case, please notify Ms. Lynn Latiolais of this office as soon as practical.

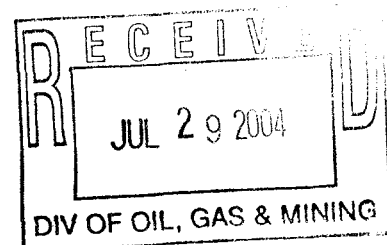
Kind regards,



jk

(1) Enclosure

cc Ms. Lynn Latiolais



SURFACE DAMAGE RELEASE AND SURFACE RIGHT OF WAY GRANT

IN CONSIDERATION of the sum of Fifteen (\$15.00) per rod for access roads and One Thousand (\$1,000.00) per well site pad for each well drilled on the subject land, paid by WHITMAR EXPLORATION COMPANY, hereinafter referred to as "WhitMar", the receipt and sufficiency of which are hereby acknowledged, the undersigned, LESTER C. THAYN and CAROL LYNN THAYN, husband and wife, hereinafter referred to as the "Surface Owner" being the present owner of all or part of the surface covering:

Township 13 South, Range 11 East, SLM
Section 22: W2SW
Section 27: W/2NE, E/2NW, NWNW, NWSE, NESW
Section 34: E2
Township 14 South, Range 11 East, SLM
Section 3: N2NE
Containing 960 acres, more or less

does hereby release, acquit, and forever discharge WhitMar Exploration Company, its successors and assigns, of all liability for all damages created or caused by reasons of the clearing, use, and all operations including drilling, completing, and subsequent operation of oil and/or gas well(s), which may be drilled by WhitMar and/or an assignee of WhitMar on any of the above described lands.

This release is intended to cover all surface damages to crops, trees, grass and/or other vegetation and soil damage. It is understood that WhitMar will have use of the wellsite surface and access road if the well(s) subject hereto is completed as a producer. Contemporaneously herewith, in consideration of the hereinabove said \$15.00 per rod for access roads and \$1,000.00 per well site pad, Surface Owner does hereby grant to WhitMar, its successors and assigns, any surface and subsurface rights in Sections 22, 27, and 34 of Township 13 South, Range 11 East, SLM; Section 3 of Township 14 South, Range 11 East, SLM necessary for the drilling, completing, and subsequent operation of well(s), including but not limited to rights-of-way, right of ingress and egress, easement rights, right to build and use roadways, right to build drilling pad and mud pits, right to place production equipment and/or storage tanks on the surface for said well, and the right to lay a pipeline under the surface for production from said well.

Location will be kept clean and free of trash and will be restored to original condition as near as possible after well is drilled and completed or plugged and abandoned. The undersigned represents that there is no tenant lessee or authorized persons in possession of the above described lands, other than is indicated below, and further agrees to defend, indemnify and hold WhitMar harmless against any claim or demand for payment of surface damages occasioned by damage to the above described lands, to any third party.

In WITNESS WHEREOF, this instrument has been executed by the undersigned this 14 day of June, 2004.

SURFACE OWNER

Lester C. Thayne
LESTER C. THAYN

Carol Lynn Thayne
CAROL LYNN THAYN

WHITMAR EXPLORATION COMPANY

Whitney H. Marvin
Whitney H. Marvin, President

ACKNOWLEDGMENT

State of Utah)

County of Carbon)

§

On this 14 day of June, in the year 2004, before me Lester C. Thayn and Carol Lynn Th, a notary public, personally appeared LESTER C. THAYN and CAROL LYNN THAYN, proved on the basis of satisfactory evidence to be the persons whose names are subscribed to this instrument, and acknowledged they executed the same. Witness my hand and official seal.



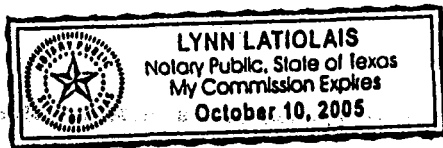
Marie A. Birch
NOTARY PUBLIC
Printed Name: Marie A. Birch

State of Texas)

County of Harris)

§

On this 8 day of June, in the year 2004, before me Lynn Latiolais, a notary public, personally appeared Whitney H. Marvin, President of WHITMAR EXPLORATION COMPANY, an Oklahoma corporation, proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he executed the same. Witness my hand and official seal.



Lynn Latiolais
NOTARY PUBLIC
Printed Name: Lynn Latiolais



State of Utah

Department of
Natural ResourcesROBERT L. MORGAN
*Executive Director*Division of
Oil, Gas & MiningLOWELL P. BRAXTON
*Division Director*OLENE S. WALKER
*Governor*GAYLE F. McKEACHNIE
Lieutenant Governor

October 18, 2004

WhitMar Exploration Company
1021 Main Street, Suite 1100
Houston, TX 77002Re: SWD #2 Well, 946' FSL, 1008' FEL, SE SE, Sec. 34, T. 13 South, R. 11 East,
Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-30979.

Sincerely,

John R. Baza
Associate Director

pab
Enclosurescc: Carbon County Assessor
Bureau of Land Management, Moab District Office

Operator: WhitMar Exploration Company
Well Name & Number SWD #2
API Number: 43-007-30979
Lease: UTU-80556

Location: SE SE Sec. 34 T. 13 South R. 11 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

TALON RESOURCES INC

RECEIVED
MAR 04 2005
DIV. OF OIL, GAS & MINING

March 3, 2005

Mr. Eric Jones
Petroleum Engineer
Bureau of Land Management
82 East Dogwood
Moab, Utah 84532

RE: SWD-2 - Whitmar Exploration Company
946' FSL 1008' FEL, SE/4SW/4, ~~SECTION 24 T12S R11E SLB&M~~
API Number 4300730979

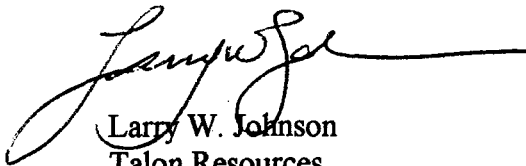
Dear Mr. Jones:

Please find enclosed a sundry to change the above referenced well name from SWD-2 to SWD-1.

The original SWD-1 well, API number 4300730964 has been withdrawn.

Please feel free to contact myself or Allen Childs at 435-687-5310 if you have any questions or need additional information.

Sincerely,



Larry W. Johnson
Talon Resources
Agent for Whitmar Exploration Company

Cc Dianna Whitney, DOGM, State Office
Whitney Marvin, Whitmar Exploration

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil ☒ Gas ☐

2. Name of Operator

Whitmar Exploration Company

3. Address and Telephone No.

1021 Main St, Ste 1100, Houston, TX 77002 (713)739-7300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

946' FSL, 1008' FEL
SE/4 NE/4, Section 34, T13S, R11E, SLB&M

5. Lease Designation and Serial No.

UTU-80556

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

SWD #2

9. API Well No.

4300730979

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Carbon County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Change of Name	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Change for Exception to Spacing	<input type="checkbox"/> Dispose Water

RECEIVED
MAR 04 2005

DIV. OF OIL, GAS & MINING

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please change the name of this well "SWD #2" to the name "SWD #1"

NOTE: The APD for the original SWD #1, API #4300730964, has been withdrawn

14. I hereby certify that the foregoing is true and correct

Larry W. Johnson

Agent for Whitmar Exploration

03/03/05

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: WHITMAR EXPLORATION COMPANY

Well Name: SWD #1

Api No: 43-007-30979 Lease Type: FED – SURF-FEE

Section 34 Township 13S Range 11E County CARBON

Drilling Contractor BOB BEAMAN DRILLING RIG #

SPUDDED:

Date 08/19/05

Time 5:30 PM

How DRY

Drilling will Commence:

Reported by BOZE STINSON

Telephone # 1-435-630-6344

Date 08/22/2005 Signed CHD

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AUG 19 2005

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Use this form for proposals to drill new wells, significantly deepen existing wells below current bottom hole depth, reenter plugged wells or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

OIL WELL ☐GAS WELL ☐OTHER DISPOSAL

NAME OF OPERATOR

Whitman Exploration

ADDRESS OF OPERATOR

535 17th ST. DENVER CO. ZIP 80202

PHONE NUMBER

303-991-9400

LOCATION OF WELL

Coral Creek Road

SECTION, TOWNSHIP, RANGE, MERIDIAN

SE SE 34 13S 11E SLB 4MCOUNTY CARBONSTATE UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ NOTICE OF INTENT
(Continue in Duplicate)

Indicate date work will start

☐ SUBSEQUENT REPORT
(Continue in Duplicate)

Indicate date report due

TYPE OF ACTION

☐ ACQUIRE☐ ALTER CASING☐ CASING REPAIR☒ CHANGE TO PREVIOUS PLANS☐ CHANGE TUBING☐ CHANGE WELL NAME☐ CHANGE WELL STATUS☐ COMINGLE PRODUCING FORMATIONS☐ CONVERT WELL TYPE☐ DEEPEN☐ FRACTURE TREAT☐ NEW CONSTRUCTION☐ OPERATOR CHANGE☐ PLUG AND ABANDON☐ PLUG BACK☐ PRODUCTION (START/RESUME)☐ RECLAMATION OF WELL SITE☐ RECOMPLETE - DIFFERENT FORMATION☐ REPERFORATE Casing - Formation☐ SIDETRACK TO REPERFORATE☐ TEMPORARILY ABANDON☐ TUBING REPAIR☐ VENT OR FLARE☐ WATER DISPOSAL☐ WATER SHUT-OFF☐ OTHER

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Our Request is that on this well the surface pipe be changed from 13 3/8" 555-54.5#3 to 13 3/8" 555-48" because of availability purpose

ATTN. Austin.

COPY SENT TO OPERATOR

Date: 8-22-05Initials: CHD

NAME (PLEASE PRINT)

BO STENSONTITLE Consultant

SIGNATURE

[Signature]DATE 8-19-05

(This space for STATE use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

Date: 8/22/05By: [Signature]

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: WhitMar Exploration CompanyOperator Account Number: N 2585Address: 555 17th Street, Suite 880city Denverstate COzip 80202Phone Number: (303) 991-9400

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300730979	SWD Federal #1		SESE	34	13S	11E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	14920	8/19/2005		9/8/05		
Comments: <u>FRSD</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

DIV. OF OIL, GAS & MINING

Sarah Garrett
 Name (Please Print)

Signature

Land Asst.

Title

9.8.05

Date

December 14, 2005

Mr. Chris Kierst
State of Utah
Division of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

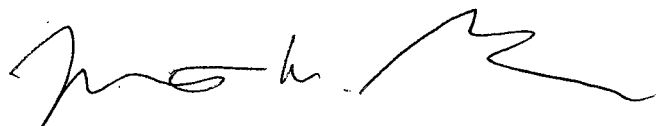
RE: Notification of Water Disposal Well
WhitMar Exploration
SWD #, 1
API # 43-00730979
SESW Sec. 34, T13S-R11E
Carbon County, Utah

Dear Mr Kierst:

Attached is a UIC Form 1 for the above referen
WhitMar has briefed you on this well and you a
that the public notice period can begin.

An application will be submitted as more information becomes available. Thank you for
your help with this project.

Sincerely,
BUYS & ASSOCIATES, INC.



Martin W. Buys
Agent for WhitMar

NEED A NEW
UIC #

This well's name is SWD #1
on 3/9/05 whitmar changed #
well name from SWD #2

UIC-357.1

NOTICE PREPARED 12-28-05

-- provided so

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DEC 16 2005
DIV. OF OIL, GAS & MINING

December 14, 2005

Mr. Chris Kierst
State of Utah
Division of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

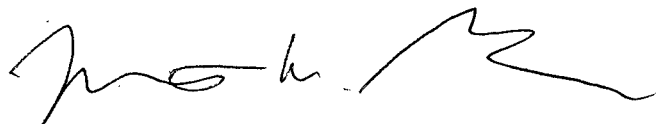
RE: Notification of Water Disposal Well
WhitMar Exploration
SWD # 1
API # 43-00730979
SESW Sec. 34, T13S-R11E
Carbon County, Utah

Dear Mr Kierst:

Attached is a UIC Form 1 for the above referenced well. I understand that Mark Weigt of WhitMar has briefed you on this well and you asked that this information be provided so that the public notice period can begin.

An application will be submitted as more information becomes available. Thank you for your help with this project.

Sincerely,
BUYS & ASSOCIATES, INC.



Martin W. Buys
Agent for WhitMar

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DEC 16 2005
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator WhitMar Exploration	Utah Account Number N	Well Name and Number SWD 1 1
Address of Operator 555 17th St. CITY Denver STATE CO ZIP 80202	Phone Number (303) 991-9401	API Number 4300730979
Location of Well Footage : 946 FSL, 1008 FEL County : Carbon		Field or Unit Name not designated
QQ, Section, Township, Range: SESW 34 13S 11E State : UTAH		Lease Designation and Number UTU-80556

Is this application for expansion of an existing project? Yes ☐ No ☒

Will the proposed well be used for:	Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well, has a casing test been performed? Yes ☐ No ☒
Date of test: _____

Proposed injection interval: from 5,708 to 6,375

Proposed maximum injection: rate 8,000 bpd pressure 1,250 psig

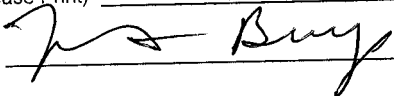
Proposed injection zone contains oil ☐ gas ☐ and / or fresh water ☐ within 1/2 mile of the well.

List of attachments: site map, Affidavit of mailing

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Martin Buys

Signature 

Title Agent for WhitMar

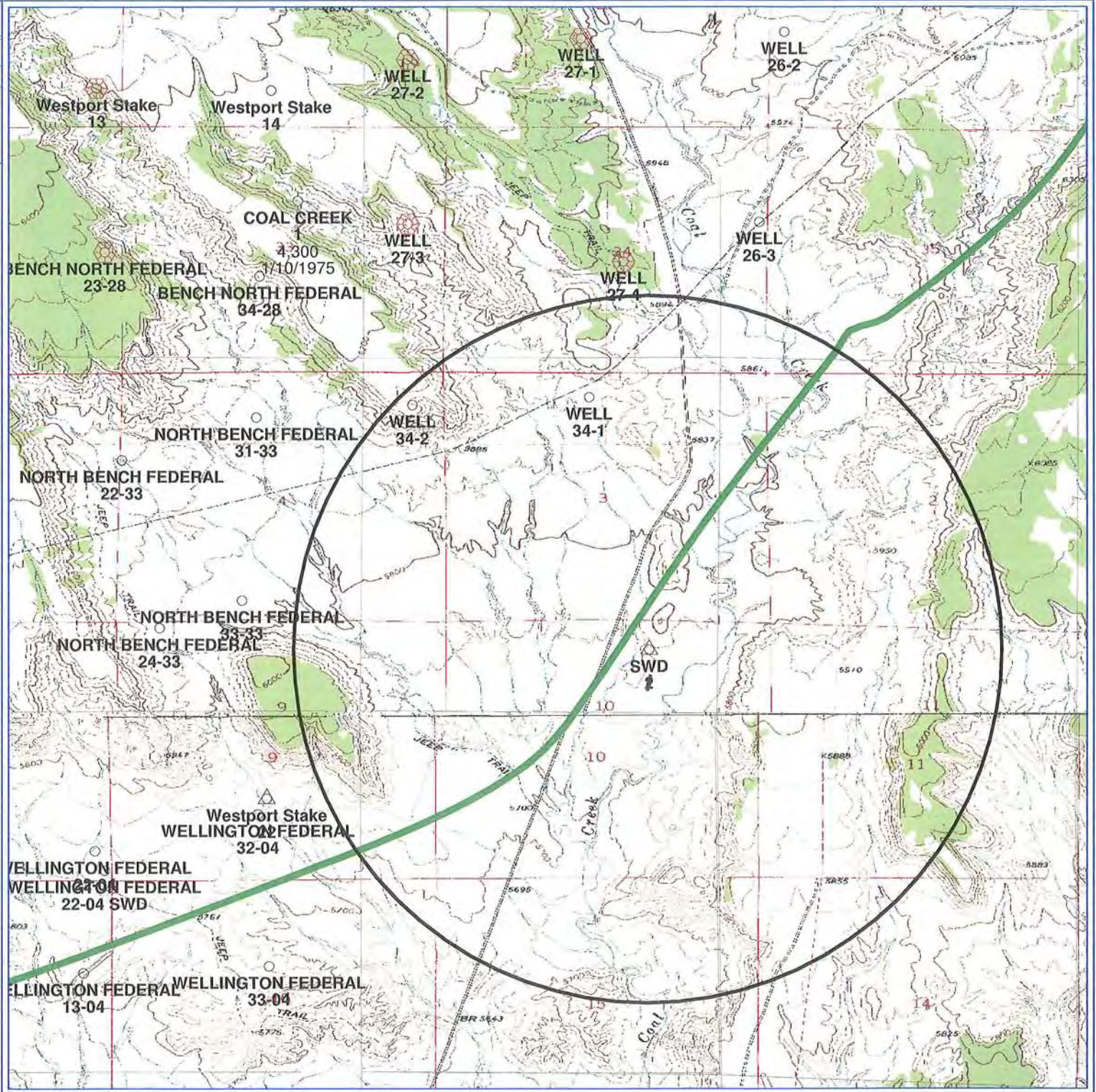
Date Dec 14, 2005

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DEC 16 2005
DIV. OF OIL, GAS & MINING

WhitMar Exploration Company

UINTAH BASIN

Topo & 1-mile radius around proposed UIC

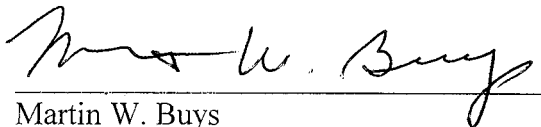


AFFIDAVIT OF MAILING

I, Martin W. Buys, President, Buys & Associates, Inc. being first duly sworn, dispose and state as follows:

On December 14, 2005, I caused to be mailed by certified mail, postage prepaid, return receipt requested, a copy of the UIC Form 1 that provides the basic information to complete the SWD #21 to dispose of produced water. This application was sent to all operators, owners and surface owners within a one half-mile radius of the subject well.

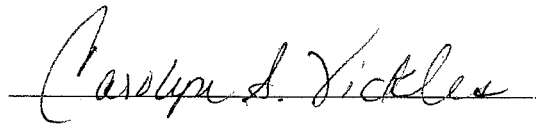
Dated this 14th day of December, 2005



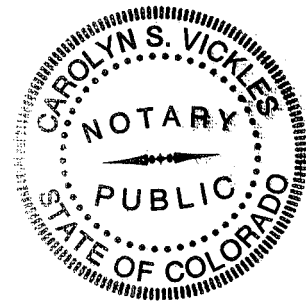
Martin W. Buys
President
Buys & Associates, Inc.

The forgoing affidavit was subscribed and sworn to me by Martin W. Buys.

This 14 day of December, 2005



Carolyn S. Vickles, Notary Public



My Commission expires: 30 day of October, 2006

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DEC 16 2005

DIV. OF OIL, GAS & MINING



300 E. Mineral Ave., Suite 10
Littleton, Colorado 80122-2655
303/781-8211 303/781-1167 Fax

December 14, 2005

CERTIFIED MAIL

Bureau of Land Management
Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

MINERAL, SURFACE AND WORKING INTEREST OWNERS

RE: NOTIFICATION OF WATER DISPOSAL
WHITMAR EXPLORATION
SWD #21
SESW SECTION 34, T13S-R11E
CARBON COUNTY, UTAH

To Whom It May Concern:

On December 14, 2005, we submitted to the Utah Division of Oil, Gas and Mining an application requesting approval to complete the above mentioned well as a water disposal well.

Anyone who would be directly and adversely affected by the authorization of the underground disposal into the Navajo, Kayenta and Wingate formations (5708' to 6375') may file a written request for a public hearing before the Division. Logs and additional information on the subject well are on file with the State of Utah, Division of Oil, Gas and Mining, 1590 W. North Temple, Suite 1210, Salt Lake City, Utah 84114.

Please contact Marty Buys at 303.781.8211 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty Buys", written in a cursive style.

Martin W. Buys
Agent for WhitMar Exploration



300 E. Mineral Ave., Suite 10
Littleton, Colorado 80122-2655
303/781-8211 303/781-1167 Fax

December 14, 2005

CERTIFIED MAIL

WhitMar Exploration Co.
555 17th Street, Suite 880
Denver, CO 80202

MINERAL, SURFACE AND WORKING INTEREST OWNERS

RE: NOTIFICATION OF WATER DISPOSAL
WHITMAR EXPLORATION
SWD #21
SESW SECTION 34, T13S-R11E
CARBON COUNTY, UTAH

To Whom It May Concern:

On December 14, 2005, we submitted to the Utah Division of Oil, Gas and Mining an application requesting approval to complete the above mentioned well as a water disposal well.

Anyone who would be directly and adversely affected by the authorization of the underground disposal into the Navajo, Kayenta and Wingate formations (5708' to 6375') may file a written request for a public hearing before the Division. Logs and additional information on the subject well are on file with the State of Utah, Division of Oil, Gas and Mining, 1590 W. North Temple, Suite 1210, Salt Lake City, Utah 84114.

Please contact Marty Buys at 303.781.8211 if you have any questions.

Sincerely,

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Martin W. Buys
Agent for WhitMar Exploration



300 E. Mineral Ave., Suite 10
Littleton, Colorado 80122-2655
303/781-8211 303/781-1167 Fax

December 14, 2005

CERTIFIED MAIL

State of Utah
School & Institutional Trust Lands Administration
675 E. 500 S. Suite 500
Salt Lake City, UT 84102

MINERAL, SURFACE AND WORKING INTEREST OWNERS

RE: NOTIFICATION OF WATER DISPOSAL
WHITMAR EXPLORATION
SWD #1
SESW SECTION 34, T13S-R11E
CARBON COUNTY, UTAH

To Whom It May Concern:

On December 14, 2005, we submitted to the Utah Division of Oil, Gas and Mining an application requesting approval to complete the above mentioned well as a water disposal well.

Anyone who would be directly and adversely affected by the authorization of the underground disposal into the Navajo, Kayenta and Wingate formations (5708' to 6375') may file a written request for a public hearing before the Division. Logs and additional information on the subject well are on file with the State of Utah, Division of Oil, Gas and Mining, 1590 W. North Temple, Suite 1210, Salt Lake City, Utah 84114.

Please contact Marty Buys at 303.781.8211 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Marty Buys'.

Martin W. Buys
Agent for WhitMar Exploration



300 E. Mineral Ave., Suite 10
Littleton, Colorado 80122-2655
303/781-8211 303/781-1167 Fax

December 14, 2005

CERTIFIED MAIL

Lester C. Thayne & Carol Lynn Thayne
7310 East Highway 6
Price, UT 84501

MINERAL, SURFACE AND WORKING INTEREST OWNERS

RE: NOTIFICATION OF WATER DISPOSAL
WHITMAR EXPLORATION
SWD #41
SESW SECTION 34, T13S-R11E
CARBON COUNTY, UTAH

To Whom It May Concern:

On December 14, 2005, we submitted to the Utah Division of Oil, Gas and Mining an application requesting approval to complete the above mentioned well as a water disposal well.

Anyone who would be directly and adversely affected by the authorization of the underground disposal into the Navajo, Kayenta and Wingate formations (5708' to 6375') may file a written request for a public hearing before the Division. Logs and additional information on the subject well are on file with the State of Utah, Division of Oil, Gas and Mining, 1590 W. North Temple, Suite 1210, Salt Lake City, Utah 84114.

Please contact Marty Buys at 303.781.8211 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty Buys". The signature is fluid and cursive, with the first name "Marty" and last name "Buys" clearly distinguishable.

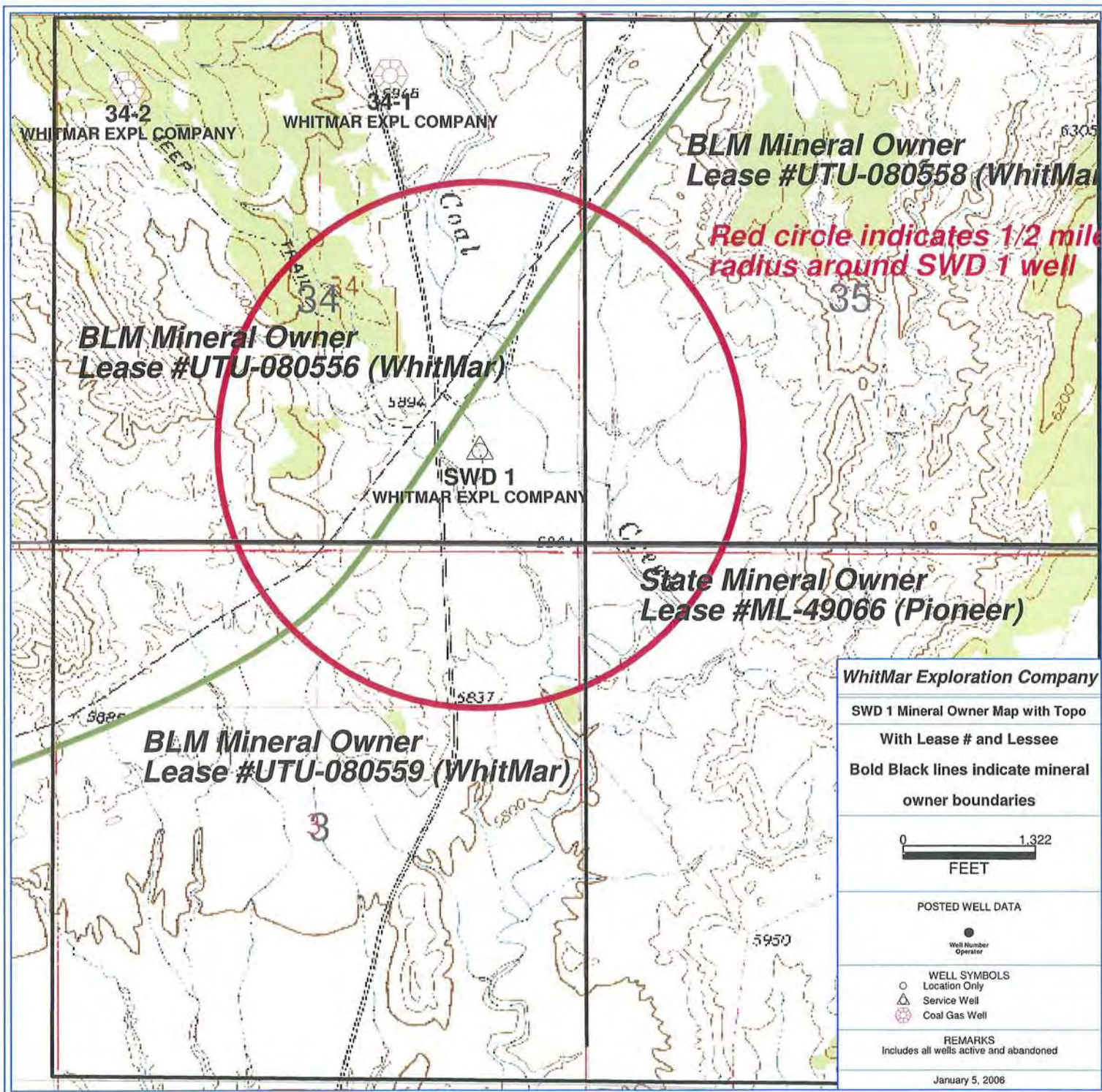
Martin W. Buys
Agent for WhitMar Exploration

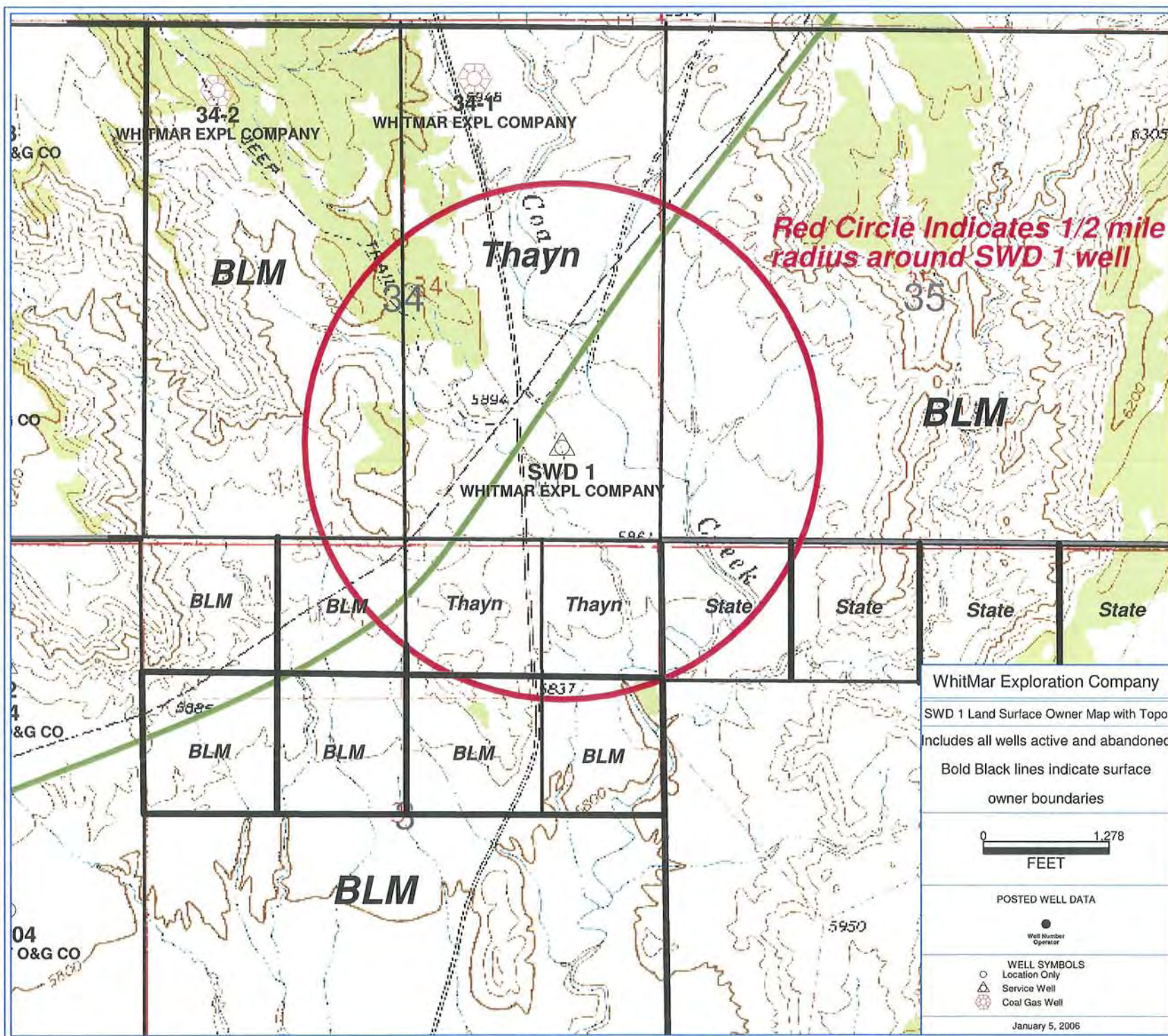
From: "Mark Weigt" <mweigt@whitmar.com>
To: <chriskierst@utah.gov>
Date: 01/06/2006 2:38:39 PM
Subject: maps

Chris

I thought you might want to see a PDF version of the map(s) I'm sending to you. We've also prepared a mineral ownership map w/ lessee info in case you need it.

Mark





WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, CO 80202-3908
(303) 991-9400
Fax (303) 991-9401

January 6, 2006

Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801
Attention: Chris Kierst, Senior Petroleum Specialist

Dear Mr. Kierst:

Please find the enclosed Open holed logs, ownership maps and casing program for the Salt Water Disposal Well. Mark Weight indicated that further test data results would be forwarded to you upon their completion, next week. If you have any questions regarding this matter, please feel free to contact me at 303-991-9400 ext. 100

Sincerely,

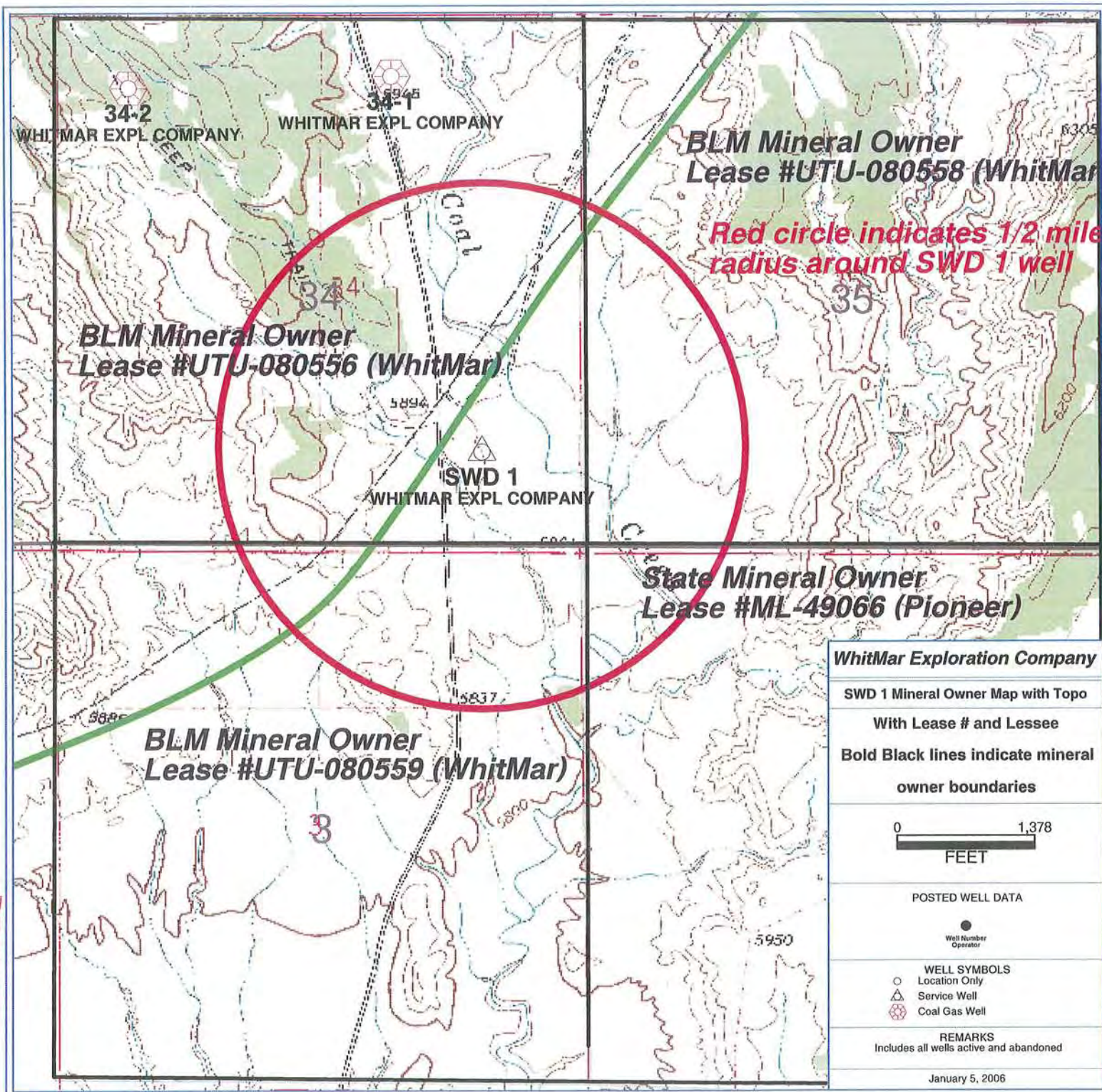
A handwritten signature in black ink that reads "Heather Mitchell". The signature is fluid and cursive, with the first name "Heather" and last name "Mitchell" clearly legible.

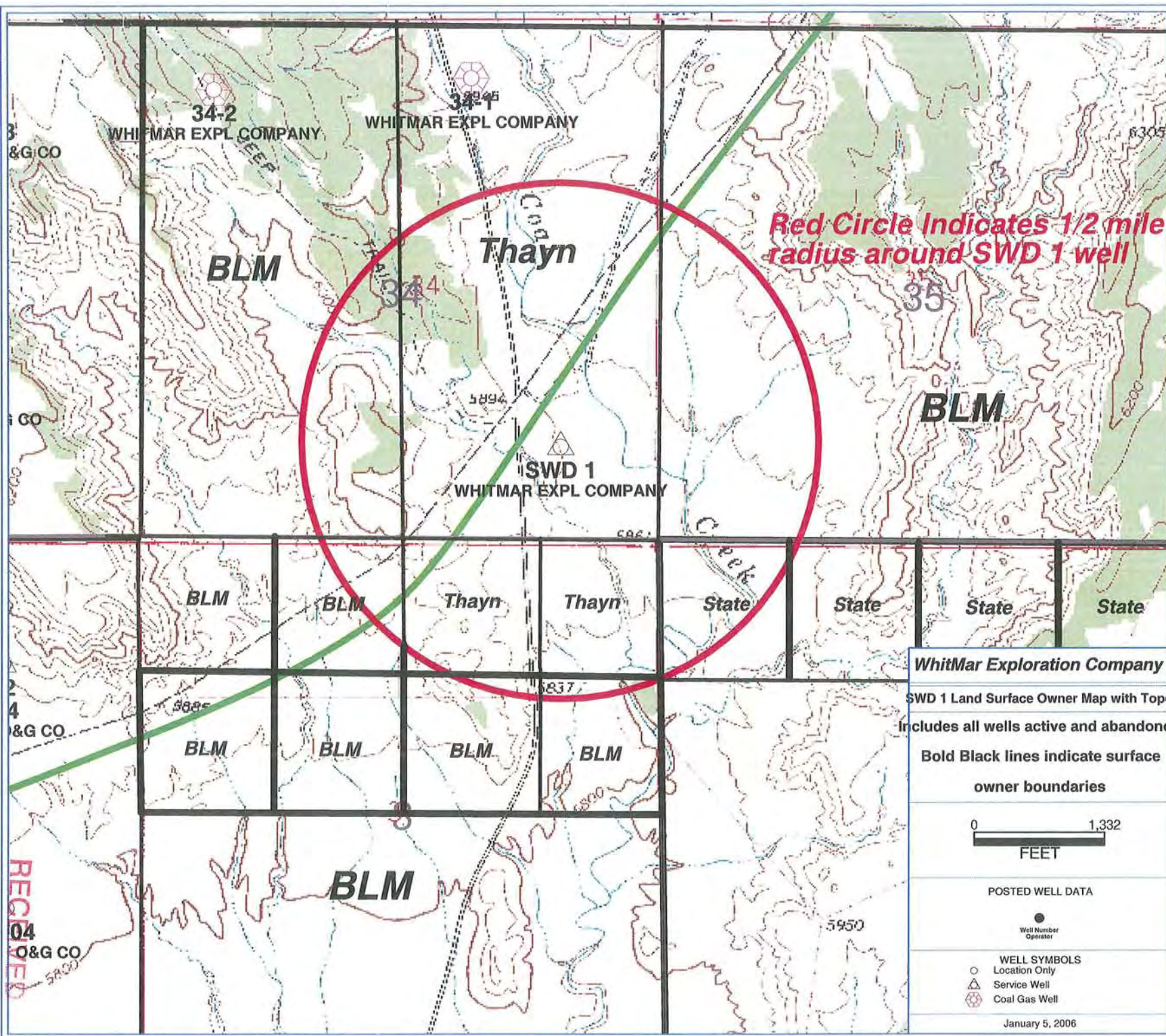
Heather Mitchell

RECEIVED

JAN 10 2006

DIV. OF OIL, GAS & MINING





DIV. OF OIL, GAS & MINING

JAN 10 2006

RECEIVED

HOLE SIZE	CASING SIZE, GRADE AND DEPTH	SETTING DEPTH	CEMENT TYPE, QUANTITY YIELD AND SLURRY WIEGHT
18" reamed	18" Conductor	40'	25 SKS QUICK CRETE CEMENT
16"	13.375"	0 - 427'	525 SKS OF PREMIUM PLUS CLASS 5 CEMENT WITH 2% CALCIUM CHLORIDE, .25# FLOCELE @ 15.6 PPG & YIELD @ 1.18
12.25"	9.625" 36# J-55 ST & C	0 - 2831'	LEAD 215 SKS HIGH FILL CEMENT @ 11.0 PPG & YIELD @ 3.86 TAIL 270 SKS PREMIUM AG 1% CALCIUM CHLORIDE, 1/4LBS/SK FLOCELE, 10% CAL SEAL @ 14.2 PPG & YIELD @ 1.61
8.75"	7" 26# J-55 ST & C	0 - 6344'	LEAD 260 SKS OF PREMIUM G WITH .2%HR-5,.1% CFR-3 @ 15.8 PPG & YIELD @ 1.1TAIL 705 SKS OF 50/50 POZ WITH 8%GEL, 10%CALSEAL, 1/4LBS/SK FLOCELE CEMENT FOR DV TOOL 50SKS OF PREMIUM G NEAT CEMENT SEE 1 ST STAGE FOR ADDITIVES, 50 SKS

Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 29-Dec-05
Date Reported : 03-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper

Lease : Federal

Price

UT

Location : Whitmar Federal SWD #1

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : Lower Navajo Perfs 5837 & 5918, Kayenta Perfs 5998 & 6056.

CATIONS

Calcium : 2,352 mg/l
Magnesium : 10 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 4.0 mg/l
Manganese : mg/l
Sodium : 25184 mg/l

ANIONS

Chloride : 38,820 mg/l
Carbonate : 0 mg/l
Bicarbonate : 3,782 mg/l
Sulfate : 2,718 mg/l

pH (field) : 6.79
Temperature : 85 degrees F
Ionic Strength : 1.21
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.055 grams/ml
Total Dissolved Solids : 72,870 ppm
CO2 in Water : 300 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.84	Calcite PTB :	1012.3
Calcite (CaCO3) SI @ 100 F :	1.00	Calcite PTB @ 100 F :	1140.8
Calcite (CaCO3) SI @ 120 F :	1.21	Calcite PTB @ 120 F :	1289.4
Calcite (CaCO3) SI @ 140 F :	1.43	Calcite PTB @ 140 F :	1422.0
Calcite (CaCO3) SI @ 160 F :	1.65	Calcite PTB @ 160 F :	1530.4
Calcite (CaCO3) SI @ 180 F :	1.88	Calcite PTB @ 180 F :	1626.8
Calcite (CaCO3) SI @ 200 F :	2.12	Calcite PTB @ 200 F :	1711.2
Gypsum (CaSO4) SI :	-0.18	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 29-Dec-05
Date Reported : 03-Jan-06
09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal SWD #1

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : Upper Navajo Perfs 5735 & 5968. ACID GASES RAN IN LAB.

CATIONS

Calcium : 1,720 mg/l
Magnesium : 326 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 10.0 mg/l
Manganese : mg/l
Sodium : 25254 mg/l

ANIONS

Chloride : 38,840 mg/l
Carbonate : 0 mg/l
Bicarbonate : 3,782 mg/l
Sulfate : 2,570 mg/l

pH (field) : 6.90
Temperature : 85 degrees F
Ionic Strength : 1.21
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.055 grams/ml
Total Dissolved Solids : 72,502 ppm
CO2 in Water : 300 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.71	Calcite PTB :	787.3
Calcite (CaCO3) SI @ 100 F :	0.86	Calcite PTB @ 100 F :	898.9
Calcite (CaCO3) SI @ 120 F :	1.07	Calcite PTB @ 120 F :	1034.0
Calcite (CaCO3) SI @ 140 F :	1.29	Calcite PTB @ 140 F :	1151.5
Calcite (CaCO3) SI @ 160 F :	1.52	Calcite PTB @ 160 F :	1251.4
Calcite (CaCO3) SI @ 180 F :	1.75	Calcite PTB @ 180 F :	1327.8
Calcite (CaCO3) SI @ 200 F :	1.99	Calcite PTB @ 200 F :	1386.5
Gypsum (CaSO4) SI :	-0.34	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper

Lease : Federal

Price

UT

Location : Whitmar Federal 34-02

Attention :

cc1 :

cc2 :

cc3 :

Sample Point : wellhead

Salesman : Scott Harbison

Analyst : Karen Hawkins Allen

Comments : ACID GASES RAN IN LAB.

CATIONS

Calcium :	560	mg/l
Magnesium :	151	mg/l
Barium :		mg/l
Strontium :		mg/l
Iron :	1.0	mg/l
Manganese :		mg/l
Sodium :	5654	mg/l

ANIONS

Chloride :	9,000	mg/l
Carbonate :	0	mg/l
Bicarbonate :	1,842	mg/l
Sulfate :	108	mg/l

pH (field) :	7.43		Specific Gravity :	1.010	grams/ml
Temperature :	85	degrees F	Total Dissolved Solids :	17,316	ppm
Ionic Strength :	0.29		CO2 in Water :	300	mg/l
			CO2 in Gas :	0.03	mole %
Resistivity :		ohm/meters	H2S in Water :		mg/l
Ammonia :		ppm	Dissolved Oxygen :		ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.25	Calcite PTB :	130.1
Calcite (CaCO3) SI @ 100 F :	0.41	Calcite PTB @ 100 F :	198.9
Calcite (CaCO3) SI @ 120 F :	0.62	Calcite PTB @ 120 F :	275.4
Calcite (CaCO3) SI @ 140 F :	0.84	Calcite PTB @ 140 F :	336.7
Calcite (CaCO3) SI @ 160 F :	1.06	Calcite PTB @ 160 F :	384.5
Calcite (CaCO3) SI @ 180 F :	1.29	Calcite PTB @ 180 F :	420.8
Calcite (CaCO3) SI @ 200 F :	1.53	Calcite PTB @ 200 F :	446.6
Gypsum (CaSO4) SI :	-1.86	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.

Vernal District Technical Services

Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal 22-04

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : ACID GASES RAN IN LAB.

C A T I O N S

Calcium : 560 mg/l
Magnesium : 146 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 2.0 mg/l
Manganese : mg/l
Sodium : 5956 mg/l

A N I O N S

Chloride : 9,600 mg/l
Carbonate : 0 mg/l
Bicarbonate : 1,525 mg/l
Sulfate : 155 mg/l

pH (field) : 7.35
Temperature : 85 degrees F
Ionic Strength : 0.30
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.010 grams/ml
Total Dissolved Solids : 17,944 ppm
CO2 in Water : 300 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.07	Calcite PTB :	38.3
Calcite (CaCO3) SI @ 100 F :	0.22	Calcite PTB @ 100 F :	107.1
Calcite (CaCO3) SI @ 120 F :	0.44	Calcite PTB @ 120 F :	195.1
Calcite (CaCO3) SI @ 140 F :	0.65	Calcite PTB @ 140 F :	264.0
Calcite (CaCO3) SI @ 160 F :	0.88	Calcite PTB @ 160 F :	325.2
Calcite (CaCO3) SI @ 180 F :	1.11	Calcite PTB @ 180 F :	374.0
Calcite (CaCO3) SI @ 200 F :	1.35	Calcite PTB @ 200 F :	411.3
Gypsum (CaSO4) SI :	-1.71	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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Champion Technologies, Inc.
Vernal District Technical Services

Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal 27-01

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : ACID GASES RAN IN LAB.

CATIONS

Calcium : 688 mg/l
Magnesium : 194 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 12.0 mg/l
Manganese : mg/l
Sodium : 5482 mg/l

ANIONS

Chloride : 9,200 mg/l
Carbonate : 0 mg/l
Bicarbonate : 1,586 mg/l
Sulfate : 155 mg/l

pH (field) :	7.28	Specific Gravity :	1.010 grams/ml
Temperature :	85 degrees F	Total Dissolved Solids :	17,317 ppm
Ionic Strength :	0.29	CO2 in Water :	300 mg/l
		CO2 in Gas :	0.03 mole %
Resistivity :	ohm/meters	H2S in Water :	mg/l
Ammonia :	ppm	Dissolved Oxygen :	ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.21	Calcite PTB :	112.8
Calcite (CaCO3) SI @ 100 F :	0.37	Calcite PTB @ 100 F :	192.7
Calcite (CaCO3) SI @ 120 F :	0.58	Calcite PTB @ 120 F :	277.3
Calcite (CaCO3) SI @ 140 F :	0.80	Calcite PTB @ 140 F :	350.2
Calcite (CaCO3) SI @ 160 F :	1.02	Calcite PTB @ 160 F :	411.3
Calcite (CaCO3) SI @ 180 F :	1.25	Calcite PTB @ 180 F :	463.0
Calcite (CaCO3) SI @ 200 F :	1.49	Calcite PTB @ 200 F :	504.1
Gypsum (CaSO4) SI :	-1.63	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.

Vernal District Technical Services

Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal 26-03

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : ACID GASES RAN IN LAB.

CATIONS

Calcium : 576 mg/l
Magnesium : 190 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 3.0 mg/l
Manganese : mg/l
Sodium : 5961 mg/l

ANIONS

Chloride : 9,800 mg/l
Carbonate : 0 mg/l
Bicarbonate : 1,464 mg/l
Sulfate : 155 mg/l

pH (field) :	7.24	Specific Gravity :	1.010 grams/ml
Temperature :	85 degrees F	Total Dissolved Solids :	18,149 ppm
Ionic Strength :	0.30	CO2 in Water :	300 mg/l
		CO2 in Gas :	0.03 mole %
Resistivity :	ohm/meters	H2S in Water :	mg/l
Ammonia :	ppm	Dissolved Oxygen :	ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.05	Calcite PTB :	23.6
Calcite (CaCO3) SI @ 100 F :	0.20	Calcite PTB @ 100 F :	98.4
Calcite (CaCO3) SI @ 120 F :	0.41	Calcite PTB @ 120 F :	184.9
Calcite (CaCO3) SI @ 140 F :	0.63	Calcite PTB @ 140 F :	257.7
Calcite (CaCO3) SI @ 160 F :	0.86	Calcite PTB @ 160 F :	322.7
Calcite (CaCO3) SI @ 180 F :	1.09	Calcite PTB @ 180 F :	371.8
Calcite (CaCO3) SI @ 200 F :	1.33	Calcite PTB @ 200 F :	413.2
Gypsum (CaSO4) SI :	-1.70	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 29-Dec-05
Date Reported : 03-Jan-06
09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal SWD #1

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : Wingate formation Perfs 6110 & 6170. ACID GASES RAN IN LAB.

CATIONS

Calcium : 1,968 mg/l
Magnesium : 311 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 21.0 mg/l
Manganese : mg/l
Sodium : 26751 mg/l

ANIONS

Chloride : 41,380 mg/l
Carbonate : 0 mg/l
Bicarbonate : 3,660 mg/l
Sulfate : 2,888 mg/l

pH (field) :	6.64	Specific Gravity :	1.055	grams/ml
Temperature :	85 degrees F	Total Dissolved Solids :	76,979	ppm
Ionic Strength :	1.29	CO2 in Water :	300	mg/l
		CO2 in Gas :	0.03	mole %
Resistivity :	ohm/meters	H2S in Water :		mg/l
Ammonia :	ppm	Dissolved Oxygen :		ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.72	Calcite PTB :	826.8
Calcite (CaCO3) SI @ 100 F :	0.88	Calcite PTB @ 100 F :	954.5
Calcite (CaCO3) SI @ 120 F :	1.09	Calcite PTB @ 120 F :	1102.4
Calcite (CaCO3) SI @ 140 F :	1.31	Calcite PTB @ 140 F :	1230.1
Calcite (CaCO3) SI @ 160 F :	1.53	Calcite PTB @ 160 F :	1337.7
Calcite (CaCO3) SI @ 180 F :	1.76	Calcite PTB @ 180 F :	1428.5
Calcite (CaCO3) SI @ 200 F :	2.00	Calcite PTB @ 200 F :	1505.8
Gypsum (CaSO4) SI :	-0.25	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.

Vernal District Technical Services

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Upper Navajo Perfs @ 5,735 & 5,968	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	1,720	560	560	688	576	1,675	1,585	1,495	1,405	1,270	1,180	1,046	956	731	
Magnesium, Mg ⁺² mg/l	326	151	146	194	190	320	307	295	282	264	251	233	220	189	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,782	1,842	1,525	1,586	1,464	3,695	3,521	3,346	3,172	2,911	2,737	2,475	2,301	1,866	
Sulfate, SO ₄ ⁻² mg/l	2,570	108	155	155	155	2,473	2,279	2,085	1,891	1,599	1,405	1,114	920	434	
Chloride, Cl ₂ mg/l	38,840	9,000	9,600	9,200	9,800	37,662	35,307	32,952	30,597	27,064	24,709	21,176	18,821	12,933	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.29	0.31	0.32	0.32	0.33	1.26	1.18	1.10	1.02	0.90	0.83	0.71	0.63	0.43	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Upper Navajo Perfs @ 5,735 & 5,968	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	

Tomson-Oddo Saturation Index

Calcite; CaCO ₃	0.69	0.22	0.04	0.16	0.00	0.67	0.62	0.56	0.51	0.44	0.39	0.32	0.27	0.17
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)

Calcite; CaCO ₃	769.6	114.8	23.0	89.3	N/A	732.3	660.5	572.0	504.0	407.9	346.8	257.1	208.9	104.9
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Lower Navajo Perfs @ 5,837 & 5,918; Kayenta Perfs @ 5,998 & 6,056	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	2,352	560	560	688	576	2,282	2,141	2,001	1,860	1,650	1,509	1,298	1,158	807	
Magnesium, Mg ⁺² mg/l	10	151	146	194	190	16	29	42	55	74	87	106	119	151	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,782	1,842	1,525	1,586	1,464	3,695	3,521	3,346	3,172	2,911	2,737	2,475	2,301	1,866	
Sulfate, SO ₄ ⁻² mg/l	2,718	108	155	155	155	2,615	2,409	2,203	1,997	1,688	1,482	1,173	967	452	
Chloride, Cl ₂ mg/l	38,820	9,000	9,600	9,200	9,800	37,643	35,290	32,936	30,582	27,052	24,698	21,168	18,814	12,930	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.30	0.31	0.32	0.32	0.33	1.26	1.18	1.10	1.03	0.91	0.83	0.71	0.63	0.44	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Lower Navajo Perfs @ 5,837 & 5,918; Kayenta Perfs @ 5,998 & 6,056	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %								
	Brine 1					96	88	80	72	60	52	40	32	12
		Brine 2				1	3	5	7	10	12	15	17	22
			Brine 3			1	3	5	7	10	12	15	17	22
				Brine 4	Brine 5	1	3	5	7	10	12	15	17	22

Tomson-Oddo Saturation Index

Calcite; CaCO ₃	0.83	0.22	0.04	0.16	0.00	0.80	0.75	0.69	0.63	0.55	0.49	0.41	0.36	0.20
Gypsum; CaSO ₄ ·2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ ·1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)

Calcite; CaCO ₃	1004.2	114.8	23.0	89.3	N/A	950.8	863.1	765.4	673.6	546.6	463.9	354.8	288.7	132.3
Gypsum; CaSO ₄ ·2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ ·1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Saturation Index Calculations for Five Commingled Waters

Based on Tomson-Oddo Model; CO₂ in Brine

Whitmar Exploration

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Wingate formation perfs @ 6,110 & 6,170	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
	Brine 2					1	3	5	7	10	12	15	17	22	
		Brine 3				1	3	5	7	10	12	15	17	22	
			Brine 4			1	3	5	7	10	12	15	17	22	
				Brine 5		1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	1,698	560	560	688	576	1,654	1,566	1,478	1,389	1,257	1,169	1,037	949	728	
Magnesium, Mg ⁺² mg/l	311	151	146	194	190	305	294	283	272	255	243	227	215	187	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,660	1,842	1,525	1,586	1,464	3,578	3,413	3,249	3,084	2,838	2,673	2,427	2,262	1,851	
Sulfate, SO ₄ ⁻² mg/l	2,888	108	155	155	155	2,778	2,559	2,339	2,119	1,790	1,571	1,241	1,022	473	
Chloride, Cl ₂ mg/l	41,380	9,000	9,600	9,200	9,800	40,101	37,542	34,984	32,426	28,588	26,030	22,192	19,634	13,238	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.37	0.31	0.32	0.32	0.33	1.33	1.25	1.16	1.08	0.95	0.87	0.74	0.66	0.44	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Wingate formation perms @ 6,110 & 6,170	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed				Mixing Ratio as %									
	Brine 1				96	88	80	72	60	52	40	32	12	
		Brine 2			1	3	5	7	10	12	15	17	22	
			Brine 3		1	3	5	7	10	12	15	17	22	
				Brine 4	1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22

Tomson-Oddo Saturation Index

Calcite; CaCO ₃	0.65	0.22	0.04	0.16	0.00	0.62	0.57	0.52	0.47	0.39	0.34	0.28	0.23	0.15
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)

Calcite; CaCO ₃	719.2	114.8	23.0	89.3	N/A	677.9	599.0	529.9	465.1	360.7	303.5	226.7	175.0	94.5
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 29-Dec-05
Date Reported : 03-Jan-06
09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal SWD #1

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : Lower Navajo Perfs 5837 & 5918, Kayenta Perfs 5998 & 6056.

CATIONS

Calcium : 2,352 mg/l
Magnesium : 10 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 4.0 mg/l
Manganese : mg/l
Sodium : 25184 mg/l

ANIONS

Chloride : 38,820 mg/l
Carbonate : 0 mg/l
Bicarbonate : 3,782 mg/l
Sulfate : 2,718 mg/l

pH (field) : 6.79
Temperature : 85 degrees F
Ionic Strength : 1.21
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.055 grams/ml
Total Dissolved Solids : 72,870 ppm
CO2 in Water : 300 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.84	Calcite PTB :	1012.3
Calcite (CaCO3) SI @ 100 F :	1.00	Calcite PTB @ 100 F :	1140.8
Calcite (CaCO3) SI @ 120 F :	1.21	Calcite PTB @ 120 F :	1289.4
Calcite (CaCO3) SI @ 140 F :	1.43	Calcite PTB @ 140 F :	1422.0
Calcite (CaCO3) SI @ 160 F :	1.65	Calcite PTB @ 160 F :	1530.4
Calcite (CaCO3) SI @ 180 F :	1.88	Calcite PTB @ 180 F :	1626.8
Calcite (CaCO3) SI @ 200 F :	2.12	Calcite PTB @ 200 F :	1711.2
Gypsum (CaSO4) SI :	-0.18	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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Champion Technologies, Inc.
Vernal District Technical Services



Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 29-Dec-05
Date Reported : 03-Jan-06
09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price

UT

Location : Whitmar Federal SWD #1

Attention :

cc1 :

cc2 :

cc3 :

Sample Point : wellhead

Salesman : Scott Harbison

Analyst : Karen Hawkins Allen

Comments : Upper Navajo Perfs 5735 & 5968. ACID GASES RAN IN LAB.

CATIONS

Calcium : 1,720 mg/l
Magnesium : 326 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 10.0 mg/l
Manganese : mg/l
Sodium : 25254 mg/l

ANIONS

Chloride : 38,840 mg/l
Carbonate : 0 mg/l
Bicarbonate : 3,782 mg/l
Sulfate : 2,570 mg/l

pH (field) :	6.90	Specific Gravity :	1.055 grams/ml
Temperature :	85 degrees F	Total Dissolved Solids :	72,502 ppm
Ionic Strength :	1.21	CO2 in Water :	300 mg/l
		CO2 in Gas :	0.03 mole %
Resistivity :	ohm/meters	H2S in Water :	mg/l
Ammonia :	ppm	Dissolved Oxygen :	ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.71	Calcite PTB :	787.3
Calcite (CaCO3) SI @ 100 F :	0.86	Calcite PTB @ 100 F :	898.9
Calcite (CaCO3) SI @ 120 F :	1.07	Calcite PTB @ 120 F :	1034.0
Calcite (CaCO3) SI @ 140 F :	1.29	Calcite PTB @ 140 F :	1151.5
Calcite (CaCO3) SI @ 160 F :	1.52	Calcite PTB @ 160 F :	1251.4
Calcite (CaCO3) SI @ 180 F :	1.75	Calcite PTB @ 180 F :	1327.8
Calcite (CaCO3) SI @ 200 F :	1.99	Calcite PTB @ 200 F :	1386.5
Gypsum (CaSO4) SI :	-0.34	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper

Lease : Federal

Price

UT

Location : Whitmar Federal 34-02

Attention :

cc1 :

cc2 :

cc3 :

Sample Point : wellhead

Salesman : Scott Harbison

Analyst : Karen Hawkins Allen

Comments : ACID GASES RAN IN LAB.

CATIONS

Calcium :	560	mg/l
Magnesium :	151	mg/l
Barium :		mg/l
Strontium :		mg/l
Iron :	1.0	mg/l
Manganese :		mg/l
Sodium :	5654	mg/l

ANIONS

Chloride :	9,000	mg/l
Carbonate :	0	mg/l
Bicarbonate :	1,842	mg/l
Sulfate :	108	mg/l

pH (field) :	7.43
Temperature :	85 degrees F
Ionic Strength :	0.29
Resistivity :	ohm/meters
Ammonia :	ppm

Specific Gravity :	1.010	grams/ml
Total Dissolved Solids :	17,316	ppm
CO2 in Water :	300	mg/l
CO2 in Gas :	0.03	mole %
H2S in Water :		mg/l
Dissolved Oxygen :		ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.25	Calcite PTB :	130.1
Calcite (CaCO3) SI @ 100 F :	0.41	Calcite PTB @ 100 F :	198.9
Calcite (CaCO3) SI @ 120 F :	0.62	Calcite PTB @ 120 F :	275.4
Calcite (CaCO3) SI @ 140 F :	0.84	Calcite PTB @ 140 F :	336.7
Calcite (CaCO3) SI @ 160 F :	1.06	Calcite PTB @ 160 F :	384.5
Calcite (CaCO3) SI @ 180 F :	1.29	Calcite PTB @ 180 F :	420.8
Calcite (CaCO3) SI @ 200 F :	1.53	Calcite PTB @ 200 F :	446.6
Gypsum (CaSO4) SI :	-1.86	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal 22-04

Attention :

cc1 :

cc2 :

cc3 :

Sample Point : wellhead

Salesman : Scott Harbison

Analyst : Karen Hawkins Allen

Comments : ACID GASES RAN IN LAB.

CATIONS

Calcium :	560	mg/l
Magnesium :	146	mg/l
Barium :		mg/l
Strontium :		mg/l
Iron :	2.0	mg/l
Manganese :		mg/l
Sodium :	5956	mg/l

ANIONS

Chloride :	9,600	mg/l
Carbonate :	0	mg/l
Bicarbonate :	1,525	mg/l
Sulfate :	155	mg/l

pH (field) :	7.35		Specific Gravity :	1.010	grams/ml
Temperature :	85	degrees F	Total Dissolved Solids :	17,944	ppm
Ionic Strength :	0.30		CO2 in Water :	300	mg/l
			CO2 in Gas :	0.03	mole %
Resistivity :		ohm/meters	H2S in Water :		mg/l
Ammonia :		ppm	Dissolved Oxygen :		ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.07	Calcite PTB :	38.3
Calcite (CaCO3) SI @ 100 F :	0.22	Calcite PTB @ 100 F :	107.1
Calcite (CaCO3) SI @ 120 F :	0.44	Calcite PTB @ 120 F :	195.1
Calcite (CaCO3) SI @ 140 F :	0.65	Calcite PTB @ 140 F :	264.0
Calcite (CaCO3) SI @ 160 F :	0.88	Calcite PTB @ 160 F :	325.2
Calcite (CaCO3) SI @ 180 F :	1.11	Calcite PTB @ 180 F :	374.0
Calcite (CaCO3) SI @ 200 F :	1.35	Calcite PTB @ 200 F :	411.3
Gypsum (CaSO4) SI :	-1.71	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A



Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal 27-01

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : ACID GASES RAN IN LAB.

CATIONS

Calcium :	688	mg/l
Magnesium :	194	mg/l
Barium :		mg/l
Strontium :		mg/l
Iron :	12.0	mg/l
Manganese :		mg/l
Sodium :	5482	mg/l

ANIONS

Chloride :	9,200	mg/l
Carbonate :	0	mg/l
Bicarbonate :	1,586	mg/l
Sulfate :	155	mg/l

pH (field) :	7.28		Specific Gravity :	1.010	grams/ml
Temperature :	85	degrees F	Total Dissolved Solids :	17,317	ppm
Ionic Strength :	0.29		CO2 in Water :	300	mg/l
			CO2 in Gas :	0.03	mole %
Resistivity :		ohm/meters	H2S in Water :		mg/l
Ammonia :		ppm	Dissolved Oxygen :		ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.21	Calcite PTB :	112.8
Calcite (CaCO3) SI @ 100 F :	0.37	Calcite PTB @ 100 F :	192.7
Calcite (CaCO3) SI @ 120 F :	0.58	Calcite PTB @ 120 F :	277.3
Calcite (CaCO3) SI @ 140 F :	0.80	Calcite PTB @ 140 F :	350.2
Calcite (CaCO3) SI @ 160 F :	1.02	Calcite PTB @ 160 F :	411.3
Calcite (CaCO3) SI @ 180 F :	1.25	Calcite PTB @ 180 F :	463.0
Calcite (CaCO3) SI @ 200 F :	1.49	Calcite PTB @ 200 F :	504.1
Gypsum (CaSO4) SI :	-1.63	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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Vernal District Technical Services



Water Analysis Report

Date Sampled : 09-Jan-06
Date Received : 06-Jan-06
Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper
Lease : Federal

Price UT

Location : Whitmar Federal 26-03

Attention :

cc1 :

cc2 :

cc3 :

Sample Point : wellhead

Salesman : Scott Harbison

Analyst : Karen Hawkins Allen

Comments : ACID GASES RAN IN LAB.

CATIONS

Calcium :	576	mg/l
Magnesium :	190	mg/l
Barium :		mg/l
Strontium :		mg/l
Iron :	3.0	mg/l
Manganese :		mg/l
Sodium :	5961	mg/l

ANIONS

Chloride :	9,800	mg/l
Carbonate :	0	mg/l
Bicarbonate :	1,464	mg/l
Sulfate :	155	mg/l

pH (field) :	7.24
Temperature :	85 degrees F
Ionic Strength :	0.30

Specific Gravity :	1.010	grams/ml
Total Dissolved Solids :	18,149	ppm
CO2 in Water :	300	mg/l
CO2 in Gas :	0.03	mole %
H2S in Water :		mg/l
Dissolved Oxygen :		ppm

Resistivity :	ohm/meters
Ammonia :	ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.05	Calcite PTB :	23.6
Calcite (CaCO3) SI @ 100 F :	0.20	Calcite PTB @ 100 F :	98.4
Calcite (CaCO3) SI @ 120 F :	0.41	Calcite PTB @ 120 F :	184.9
Calcite (CaCO3) SI @ 140 F :	0.63	Calcite PTB @ 140 F :	257.7
Calcite (CaCO3) SI @ 160 F :	0.86	Calcite PTB @ 160 F :	322.7
Calcite (CaCO3) SI @ 180 F :	1.09	Calcite PTB @ 180 F :	371.8
Calcite (CaCO3) SI @ 200 F :	1.33	Calcite PTB @ 200 F :	413.2
Gypsum (CaSO4) SI :	-1.70	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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Vernal District Technical Services

Water Analysis Report

Date Sampled : 09-Jan-06
 Date Received : 29-Dec-05
 Date Reported : 03-Jan-06
 Date Reported : 09-Jan-06

Whitmar Exploration

Field : East Helper
 Lease : Federal

Price

UT

Location : Whitmar Federal SWD #1

Attention :

Sample Point : wellhead

cc1 :

Salesman : Scott Harbison

cc2 :

Analyst : Karen Hawkins Allen

cc3 :

Comments : Wingate formation Perfs 6110 & 6170. ACID GASES RAN IN LAB.

CATIONS

Calcium :	1,968	mg/l
Magnesium :	311	mg/l
Barium :		mg/l
Strontium :		mg/l
Iron :	21.0	mg/l
Manganese :		mg/l
Sodium :	26751	mg/l

ANIONS

Chloride :	41,380	mg/l
Carbonate :	0	mg/l
Bicarbonate :	3,660	mg/l
Sulfate :	2,888	mg/l

pH (field) :	6.64
Temperature :	85 degrees F
Ionic Strength :	1.29
Resistivity :	ohm/meters
Ammonia :	ppm

Specific Gravity :	1.055	grams/ml
Total Dissolved Solids :	76,979	ppm
CO2 in Water :	300	mg/l
CO2 in Gas :	0.03	mole %
H2S in Water :		mg/l
Dissolved Oxygen :		ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	0.72	Calcite PTB :	826.8
Calcite (CaCO3) SI @ 100 F :	0.88	Calcite PTB @ 100 F :	954.5
Calcite (CaCO3) SI @ 120 F :	1.09	Calcite PTB @ 120 F :	1102.4
Calcite (CaCO3) SI @ 140 F :	1.31	Calcite PTB @ 140 F :	1230.1
Calcite (CaCO3) SI @ 160 F :	1.53	Calcite PTB @ 160 F :	1337.7
Calcite (CaCO3) SI @ 180 F :	1.76	Calcite PTB @ 180 F :	1428.5
Calcite (CaCO3) SI @ 200 F :	2.00	Calcite PTB @ 200 F :	1505.8
Gypsum (CaSO4) SI :	-0.25	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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Champion Technologies, Inc.

Vernal District Technical Services

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Upper Navajo Perfs @ 5,735 & 5,968	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	

Tomson-Oddo Saturation Index

Calcite; CaCO ₃	0.69	0.22	0.04	0.16	0.00	0.67	0.62	0.56	0.51	0.44	0.39	0.32	0.27	0.17
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)

Calcite; CaCO ₃	769.6	114.8	23.0	89.3	N/A	732.3	660.5	572.0	504.0	407.9	346.8	257.1	208.9	104.9
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Confidential

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Upper Navajo Perfs @ 5,735 & 5,968	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	1,720	560	560	688	576	1,675	1,585	1,495	1,405	1,270	1,180	1,046	956	731	
Magnesium, Mg ⁺² mg/l	326	151	146	194	190	320	307	295	282	264	251	233	220	189	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,782	1,842	1,525	1,586	1,464	3,695	3,521	3,346	3,172	2,911	2,737	2,475	2,301	1,866	
Sulfate, SO ₄ ⁻² mg/l	2,570	108	155	155	155	2,473	2,279	2,085	1,891	1,599	1,405	1,114	920	434	
Chloride, Cl ₂ mg/l	38,840	9,000	9,600	9,200	9,800	37,662	35,307	32,952	30,597	27,064	24,709	21,176	18,821	12,933	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.29	0.31	0.32	0.32	0.33	1.26	1.18	1.10	1.02	0.90	0.83	0.71	0.63	0.43	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

Whitmar Water Compatability Tests
Five Brines (CO₂ in Brine)

1/11/2006

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Upper Navajo Perfs @ 5,735 & 5,968	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Saturation Index Calculations for Five Commingle Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Lower Navajo Perfs @ 5,837 & 5,918; Kayenta Perfs @ 5,998 & 6,056	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1	Brine 2	Brine 3	Brine 4	Brine 5	96	88	80	72	60	52	40	32	12	
						1	3	5	7	10	12	15	17	22	
						1	3	5	7	10	12	15	17	22	
						1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	2,352	560	560	688	576	2,282	2,141	2,001	1,860	1,650	1,509	1,298	1,158	807	
Magnesium, Mg ⁺² mg/l	10	151	146	194	190	16	29	42	55	74	87	106	119	151	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,782	1,842	1,525	1,586	1,464	3,695	3,521	3,346	3,172	2,911	2,737	2,475	2,301	1,866	
Sulfate, SO ₄ ⁻² mg/l	2,718	108	155	155	155	2,615	2,409	2,203	1,997	1,688	1,482	1,173	967	452	
Chloride, Cl ₂ mg/l	38,820	9,000	9,600	9,200	9,800	37,643	35,290	32,936	30,582	27,052	24,698	21,168	18,814	12,930	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.30	0.31	0.32	0.32	0.33	1.26	1.18	1.10	1.03	0.91	0.83	0.71	0.63	0.44	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Confidential

 Champion Technologies, Inc.
 Vernal District Technical Services

 Whitmar Water Compatability Tests
 Five Brines (CO₂ in Brine) (2)
 1/12/2006

Saturation Index Calculations for Five Commingle Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Lower Navajo Perfs @ 5,837 & 5,918; Kayenta Perfs @ 5,998 & 6,056	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %								
	Brine 1					96	88	80	72	60	52	40	32	12
		Brine 2				1	3	5	7	10	12	15	17	22
			Brine 3			1	3	5	7	10	12	15	17	22
				Brine 4		1	3	5	7	10	12	15	17	22
					Brine 5	1	3	5	7	10	12	15	17	22

Tomson-Oddo Saturation Index														
Calcite; CaCO ₃	0.83	0.22	0.04	0.16	0.00	0.80	0.75	0.69	0.63	0.55	0.49	0.41	0.36	0.20
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)														
Calcite; CaCO ₃	1004.2	114.8	23.0	89.3	N/A	950.8	863.1	765.4	673.6	546.6	463.9	354.8	288.7	132.3
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

Whitmar Water Compatability Tests
Five Brines (CO₂ in Brine) (2)
1/12/2006

Saturation Index Calculations for Five Commingle Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Wingate formation perfs @ 6,110 & 6,170	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1	Brine 2	Brine 3	Brine 4	Brine 5	96	88	80	72	60	52	40	32	12	
						1	3	5	7	10	12	15	17	22	
						1	3	5	7	10	12	15	17	22	
						1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	1,698	560	560	688	576	1,654	1,566	1,478	1,389	1,257	1,169	1,037	949	728	
Magnesium, Mg ⁺² mg/l	311	151	146	194	190	305	294	283	272	255	243	227	215	187	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,660	1,842	1,525	1,586	1,464	3,578	3,413	3,249	3,084	2,838	2,673	2,427	2,262	1,851	
Sulfate, SO ₄ ⁻² mg/l	2,888	108	155	155	155	2,778	2,559	2,339	2,119	1,790	1,571	1,241	1,022	473	
Chloride, Cl ₂ mg/l	41,380	9,000	9,600	9,200	9,800	40,101	37,542	34,984	32,426	28,588	26,030	22,192	19,634	13,238	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.37	0.31	0.32	0.32	0.33	1.33	1.25	1.16	1.08	0.95	0.87	0.74	0.66	0.44	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Wingate formation perms @ 6,110 & 6,170	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %								
	Brine 1					96	88	80	72	60	52	40	32	12
		Brine 2				1	3	5	7	10	12	15	17	22
			Brine 3			1	3	5	7	10	12	15	17	22
				Brine 4		1	3	5	7	10	12	15	17	22
					Brine 5	1	3	5	7	10	12	15	17	22

Tomson-Oddo Saturation Index														
Calcite; CaCO ₃	0.65	0.22	0.04	0.16	0.00	0.62	0.57	0.52	0.47	0.39	0.34	0.28	0.23	0.15
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)														
Calcite; CaCO ₃	719.2	114.8	23.0	89.3	N/A	677.9	599.0	529.9	465.1	360.7	303.5	226.7	175.0	94.5
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 Champion Technologies, Inc.
 Vernal District Technical Services

Whitmar Water Compatability Tests

 Five Brines (CO₂ in Brine) (3)

1/12/2006

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Upper Navajo Perfs @ 5,735 & 5,968	29-Dec-2005	acid gases ran in lab
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Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
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				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	1,720	560	560	688	576	1,675	1,585	1,495	1,405	1,270	1,180	1,046	956	731	
Magnesium, Mg ⁺² mg/l	326	151	146	194	190	320	307	295	282	264	251	233	220	189	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,782	1,842	1,525	1,586	1,464	3,695	3,521	3,346	3,172	2,911	2,737	2,475	2,301	1,866	
Sulfate, SO ₄ ⁻² mg/l	2,570	108	155	155	155	2,473	2,279	2,085	1,891	1,599	1,405	1,114	920	434	
Chloride, Cl ₂ mg/l	38,840	9,000	9,600	9,200	9,800	37,662	35,307	32,952	30,597	27,064	24,709	21,176	18,821	12,933	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.29	0.31	0.32	0.32	0.33	1.26	1.18	1.10	1.02	0.90	0.83	0.71	0.63	0.43	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

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Champion Technologies, Inc.
Vernal District Technical Services

Whitmar Water Compatability Tests
Five Brines (CO₂ in Brine)
1/11/2006

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
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				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	

Tomson-Oddo Saturation Index

Calcite; CaCO ₃	0.69	0.22	0.04	0.16	0.00	0.67	0.62	0.56	0.51	0.44	0.39	0.32	0.27	0.17
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)

Calcite; CaCO ₃	769.6	114.8	23.0	89.3	N/A	732.3	660.5	572.0	504.0	407.9	346.8	257.1	208.9	104.9
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Champion Technologies, Inc.
Vernal District Technical Services

Whitmar Water Compatibility Tests

Five Brines (CO₂ in Brine)

1/11/2006

Saturation Index Calculations for Five Commingle Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Upper Navajo Perfs @ 5,735 & 5,968	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Lower Navajo Perfs @ 5,837 & 5,918; Kayenta Perfs @ 5,998 & 6,056	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
		Brine 2				1	3	5	7	10	12	15	17	22	
			Brine 3			1	3	5	7	10	12	15	17	22	
				Brine 4		1	3	5	7	10	12	15	17	22	
					Brine 5	1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	2,352	560	560	688	576	2,282	2,141	2,001	1,860	1,650	1,509	1,298	1,158	807	
Magnesium, Mg ⁺² mg/l	10	151	146	194	190	16	29	42	55	74	87	106	119	151	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,782	1,842	1,525	1,586	1,464	3,695	3,521	3,346	3,172	2,911	2,737	2,475	2,301	1,866	
Sulfate, SO ₄ ⁻² mg/l	2,718	108	155	155	155	2,615	2,409	2,203	1,997	1,688	1,482	1,173	967	452	
Chloride, Cl ₂ mg/l	38,820	9,000	9,600	9,200	9,800	37,643	35,290	32,936	30,582	27,052	24,698	21,168	18,814	12,930	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.30	0.31	0.32	0.32	0.33	1.26	1.18	1.10	1.03	0.91	0.83	0.71	0.63	0.44	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Saturation Index Calculations for Five Commingled Waters

Whitmar Exploration

Based on Tomson-Oddo Model; CO₂ in Brine

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Whitmar Federal SWD No. 01; Lower Navajo Perfs @ 5,837 & 5,918; Kayenta Perfs @ 5,998 & 6,056	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %								
	Brine 1	Brine 2	Brine 3	Brine 4	Brine 5	96	88	80	72	60	52	40	32	12
						1	3	5	7	10	12	15	17	22
						1	3	5	7	10	12	15	17	22
						1	3	5	7	10	12	15	17	22
						1	3	5	7	10	12	15	17	22

Tomson-Oddo Saturation Index

Calcite; CaCO ₃	0.83	0.22	0.04	0.16	0.00	0.80	0.75	0.69	0.63	0.55	0.49	0.41	0.36	0.20
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)

Calcite; CaCO ₃	1004.2	114.8	23.0	89.3	N/A	950.8	863.1	765.4	673.6	546.6	463.9	354.8	288.7	132.3
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Saturation Index Calculations for Five Commingled Waters

Based on Tomson-Oddo Model; CO₂ in Brine

Whitmar Exploration

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Wingate formation perfs @ 6,110 & 6,170	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

Component	Brines to be mixed					Mixing Ratio as %									
	Brine 1					96	88	80	72	60	52	40	32	12	
	Brine 2					1	3	5	7	10	12	15	17	22	
		Brine 3				1	3	5	7	10	12	15	17	22	
			Brine 4			1	3	5	7	10	12	15	17	22	
				Brine 5		1	3	5	7	10	12	15	17	22	
Calcium, Ca ⁺² mg/l	1,698	560	560	688	576	1,654	1,566	1,478	1,389	1,257	1,169	1,037	949	728	
Magnesium, Mg ⁺² mg/l	311	151	146	194	190	305	294	283	272	255	243	227	215	187	
Barium, Ba ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Strontium, Sr ⁺² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbonate, CO ₃ ⁻² mg/l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate, HCO ₃ ⁻¹ mg/l	3,660	1,842	1,525	1,586	1,464	3,578	3,413	3,249	3,084	2,838	2,673	2,427	2,262	1,851	
Sulfate, SO ₄ ⁻² mg/l	2,888	108	155	155	155	2,778	2,559	2,339	2,119	1,790	1,571	1,241	1,022	473	
Chloride, Cl ₂ mg/l	41,380	9,000	9,600	9,200	9,800	40,101	37,542	34,984	32,426	28,588	26,030	22,192	19,634	13,238	
CO ₂ in Brine mg/l	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Ionic Strength	1.37	0.31	0.32	0.32	0.33	1.33	1.25	1.16	1.08	0.95	0.87	0.74	0.66	0.44	
Temperature °F	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Pressure psia	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

Whitmar Water Compatability Tests
Five Brines (CO₂ in Brine) (3)
1/11/2006

Saturation Index Calculations for Five Commingled Waters

Based on Tomson-Oddo Model; CO₂ in Brine

Whitmar Exploration

East Helper Field / Federal Lease

January 9, 2006

<u>Sample Location</u>	<u>Sample Date</u>	<u>Comments</u>
Brine 1 : Wingate formation perfs @ 6,110 & 6,170	29-Dec-2005	acid gases ran in lab
Brine 2 : Whitmar Federal 34-02	6-Jan-2006	acid gases ran in lab
Brine 3 : Whitmar Federal 22-04	6-Jan-2006	acid gases ran in lab
Brine 4 : Whitmar Federal 27-01	6-Jan-2006	acid gases ran in lab
Brine 5 : Whitmar Federal 26-03	30-Apr-2005	acid gases ran in lab

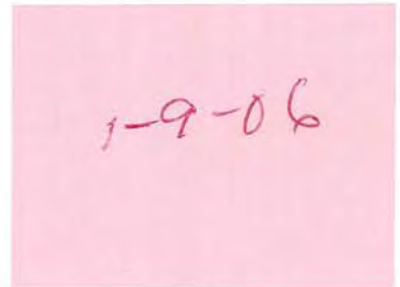
Component	Brines to be mixed					Mixing Ratio as %								
	Brine 1	Brine 2	Brine 3	Brine 4	Brine 5	96	88	80	72	60	52	40	32	12
						1	3	5	7	10	12	15	17	22
						1	3	5	7	10	12	15	17	22
						1	3	5	7	10	12	15	17	22
						1	3	5	7	10	12	15	17	22

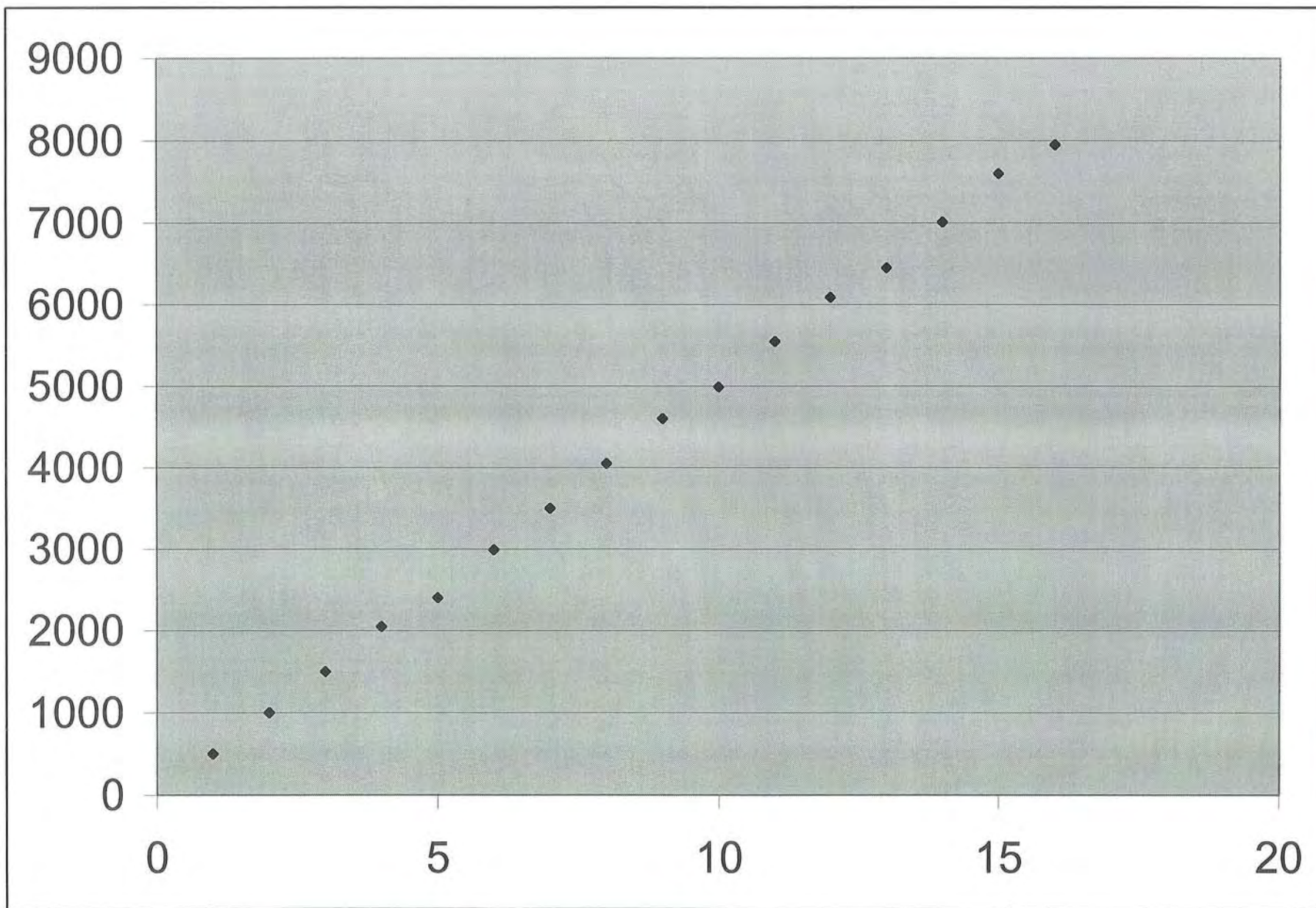
Tomson-Oddo Saturation Index

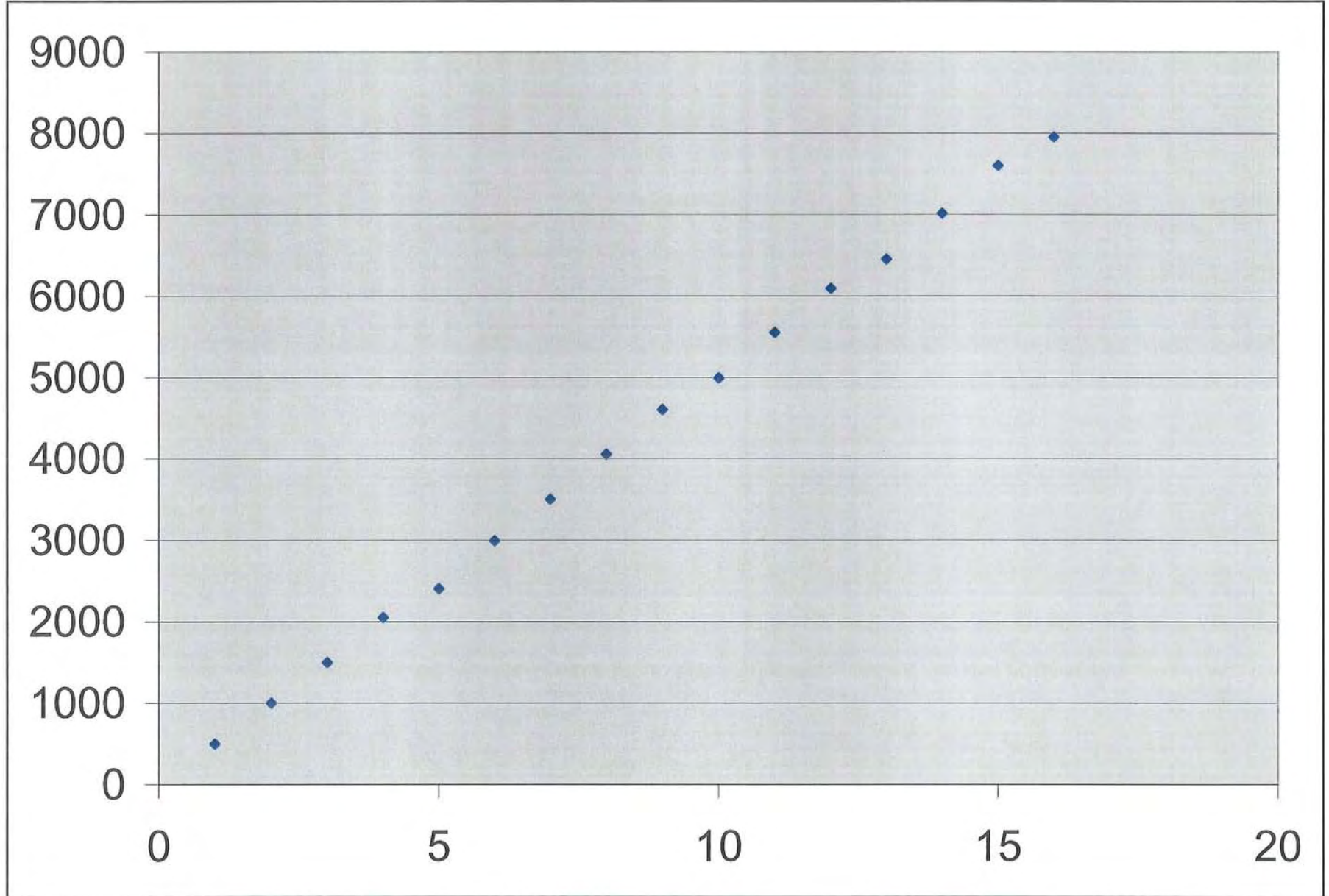
Calcite; CaCO ₃	0.65	0.22	0.04	0.16	0.00	0.62	0.57	0.52	0.47	0.39	0.34	0.28	0.23	0.15
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

P(Pounds Per)T(Thousand)B(Barrels)

Calcite; CaCO ₃	719.2	114.8	23.0	89.3	N/A	677.9	599.0	529.9	465.1	360.7	303.5	226.7	175.0	94.5
Gypsum; CaSO ₄ -2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate; CaSO ₄ -1/2H ₂ O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite; CaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barite; BaSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Celestite; SrSO ₄	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A







Whitman SWD#1

SRT

1/9/06 Test Date

42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE



600

500

400

300

200

100

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Pressure Test Report

COMPANY INFORMATION

Company Name	Whitmar Exploration
Representative	Beau Stinson
Phone	303-991-9400
Fax	
Address	555 17th St. Suite 880 Denver, CO 80202
E-Mail Address	bbutcher@northernlightsenergy.cc
Service Company	Northern Lights Energy Companies, Inc.

WELL INFORMATION

Well Name	SWD #1
Well Location	Carbon Co. UT
Field and Pool	East Helper
Status (Oil, Gas, Water, Injection)	Injection
Perforated Intervals	6170' Bottom Perf
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	
Casing Flange (CF)	
KB-CF	
Ground Level	
Plug Back Total Depth	
Total Depth	
Production Casing	7"
Production Tubing	N/A

TEST INFORMATION

Type of Test	BHP Reservoir Injection Rate & FallOff Test 1	
Date(s) of Test	Jan. 8-12, 2006	
Dead-weight Gauge Tubing Pressure		
Dead-weight Gauge Casing Pressure	0 PSIG	
Shut-in Date (Duration)	Jan. 9, 2006 - 68.67 Hours	
Date / Time on Bottom	Jan. 08, 2006 - 12:09:30	
Date / Time off Bottom	Jan. 12, 2006 - 13:58:40	
Probe Serial Number	9972 Top Gauge	9973 Bottom Gauge
Probe Offset from End of Tool String		
Run Depth at Probe Pressure Port	6198'	6200'

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	3523.2 psig	3522.1 psig
Maximum Recorded Probe Temperature	150.0 deg F	149.6 deg F
Final Buildup Pressure	2367.4 psig Final Fall-off	2365.7 psig final Fall-off
Gradient Survey Information		
Extrapolated Pressure to MPP		
Final Gradient at Depth	N/A	N/A
Job Number		



Well Name
Type of Test
Date(s) of Test

SWD #1
BHP Reservoir Injection Rate & FallOff Test 1
Jan. 8-12, 2006



PROBE INFORMATION

Probe Serial Number 9972 Top Gauge
Model
Pressure
 Calibrated Pressure Range
 Accuracy
 Resolution
Temperature
 Calibrated Temperature Range
 Accuracy
 Resolution
Calibration File Used for Reports

PROGRAMMING DETAILS

<u>Step</u>	<u>Sample Mode</u>	<u>Period</u>	<u>Duration</u>	<u>Comment</u>
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Program Start Time
Program End Time
Total Samples Taken
Usage for this Test
Generic Data File Name



Well Name
Type of Test
Date(s) of Test

SWD #1
BHP Reservoir Injection Rate & FallOff Test 1
Jan. 8-12, 2006



PROBE INFORMATION

Probe Serial Number 9973 Bottom Gauge
Model
Pressure
 Calibrated Pressure Range
 Accuracy
 Resolution
Temperature
 Calibrated Temperature Range
 Accuracy
 Resolution
Calibration File Used for Reports

PROGRAMMING DETAILS

<u>Step</u>	<u>Sample Mode</u>	<u>Period</u>	<u>Duration</u>	<u>Comment</u>
-------------	--------------------	---------------	-----------------	----------------

Program Start Time
Program End Time
Total Samples Taken
Usage for this Test
Generic Data File Name



Well Name
Type of Test
Date(s) of Test

SWD #1
BHP Reservoir Injection Rate & FallOff Test 1
Jan. 8-12, 2006



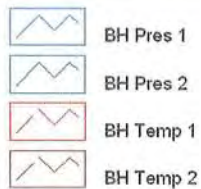
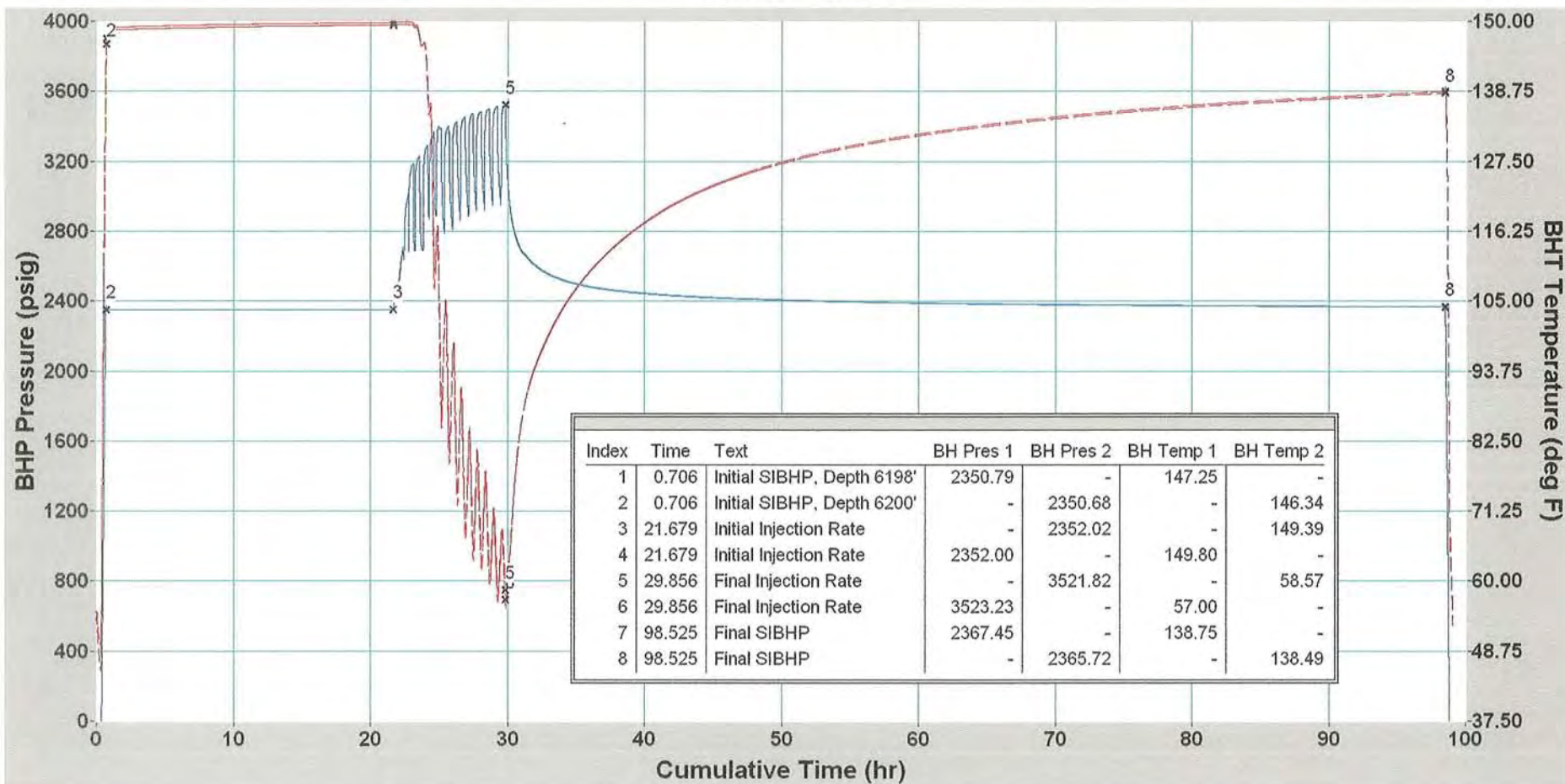
COMMENTS

Reported By

Bart Butcher

BHP reservoir injection rate and fall-off test 1. Gauges set below bottom perms on 7" casing hanger.

SWD #1



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/01/08	11:27:10	0.0000	-3.467	53.724
2006/01/08	11:47:10	0.3333	-4.211	49.690
2006/01/08	12:07:10	0.6667	2293.860	139.482
Initial SIBHP, Depth 6198'				
2006/01/08	12:09:30	0.7056	2350.795	147.250
2006/01/08	12:27:10	1.0000	2351.197	149.031
2006/01/08	12:47:10	1.3333	2351.386	149.058
2006/01/08	13:07:10	1.6667	2351.513	149.086
2006/01/08	13:27:10	2.0000	2351.555	149.103
2006/01/08	13:47:10	2.3333	2351.720	149.131
2006/01/08	14:07:10	2.6667	2351.672	149.153
2006/01/08	14:27:10	3.0000	2351.683	149.178
2006/01/08	14:47:10	3.3333	2351.843	149.196
2006/01/08	15:07:10	3.6667	2351.830	149.214
2006/01/08	15:27:10	4.0000	2351.802	149.238
2006/01/08	15:47:10	4.3333	2351.812	149.261
2006/01/08	16:07:10	4.6667	2351.928	149.268
2006/01/08	16:27:10	5.0000	2351.855	149.281
2006/01/08	16:47:10	5.3333	2351.802	149.302
2006/01/08	17:07:10	5.6667	2351.776	149.315
2006/01/08	17:27:10	6.0000	2351.802	149.333
2006/01/08	17:47:10	6.3333	2351.760	149.342
2006/01/08	18:07:10	6.6667	2351.782	149.362
2006/01/08	18:27:10	7.0000	2351.721	149.376
2006/01/08	18:47:10	7.3333	2351.685	149.389
2006/01/08	19:07:10	7.6667	2351.758	149.407
2006/01/08	19:27:10	8.0000	2351.767	149.414
2006/01/08	19:47:10	8.3333	2351.653	149.425
2006/01/08	20:07:10	8.6667	2351.679	149.446
2006/01/08	20:27:10	9.0000	2351.644	149.459
2006/01/08	20:47:10	9.3333	2351.695	149.468
2006/01/08	21:07:10	9.6667	2351.646	149.482
2006/01/08	21:27:10	10.0000	2351.636	149.502
2006/01/08	21:47:10	10.3333	2351.608	149.502
2006/01/08	22:07:10	10.6667	2351.631	149.527
2006/01/08	22:27:10	11.0000	2351.575	149.531
2006/01/08	22:47:10	11.3333	2351.567	149.535
2006/01/08	23:07:10	11.6667	2351.511	149.540
2006/01/08	23:27:10	12.0000	2351.602	149.556
2006/01/08	23:47:10	12.3333	2351.585	149.576
2006/01/09	00:07:10	12.6667	2351.490	149.576
2006/01/09	00:27:10	13.0000	2351.523	149.598
2006/01/09	00:47:10	13.3333	2351.518	149.599
2006/01/09	01:07:10	13.6667	2351.535	149.625
2006/01/09	01:27:10	14.0000	2351.529	149.626
2006/01/09	01:47:10	14.3333	2351.520	149.630
2006/01/09	02:07:10	14.6667	2351.497	149.634
2006/01/09	02:27:10	15.0000	2351.473	149.646
2006/01/09	02:47:10	15.3333	2351.473	149.653
2006/01/09	03:07:10	15.6667	2351.529	149.657
2006/01/09	03:27:10	16.0000	2351.453	149.670
2006/01/09	03:47:10	16.3333	2351.468	149.686
2006/01/09	04:07:10	16.6667	2351.426	149.688
2006/01/09	04:27:10	17.0000	2351.471	149.695

Date	Time	Cum.Time BH2	BH Pres 2	BH Temp 2
		hr	psig	deg F
2006/01/08	11:28:10	0.0167	-5.504	55.132
2006/01/08	11:48:10	0.3500	-5.951	45.612
2006/01/08	12:08:10	0.6833	2354.246	143.053
Initial SIBHP, Depth 6200'				
2006/01/08	12:09:30	0.7056	2350.677	146.336
2006/01/08	12:28:10	1.0167	2351.476	148.627
2006/01/08	12:48:10	1.3500	2351.639	148.654
2006/01/08	13:08:10	1.6833	2351.865	148.678
2006/01/08	13:28:10	2.0167	2351.940	148.705
2006/01/08	13:48:10	2.3500	2351.981	148.737
2006/01/08	14:08:10	2.6833	2351.969	148.755
2006/01/08	14:28:10	3.0167	2352.039	148.775
2006/01/08	14:48:10	3.3500	2352.048	148.791
2006/01/08	15:08:10	3.6833	2352.042	148.811
2006/01/08	15:28:10	4.0167	2352.003	148.838
2006/01/08	15:48:10	4.3500	2352.128	148.854
2006/01/08	16:08:10	4.6833	2352.103	148.867
2006/01/08	16:28:10	5.0167	2352.059	148.879
2006/01/08	16:48:10	5.3500	2352.066	148.897
2006/01/08	17:08:10	5.6833	2352.019	148.905
2006/01/08	17:28:10	6.0167	2352.035	148.923
2006/01/08	17:48:10	6.3500	2352.000	148.939
2006/01/08	18:08:10	6.6833	2352.040	148.955
2006/01/08	18:28:10	7.0167	2352.002	148.962
2006/01/08	18:48:10	7.3500	2351.948	148.995
2006/01/08	19:08:10	7.6833	2351.943	149.007
2006/01/08	19:28:10	8.0167	2351.904	149.007
2006/01/08	19:48:10	8.3500	2351.912	149.022
2006/01/08	20:08:10	8.6833	2351.897	149.047
2006/01/08	20:28:10	9.0167	2351.874	149.056
2006/01/08	20:48:10	9.3500	2351.779	149.065
2006/01/08	21:08:10	9.6833	2351.813	149.085
2006/01/08	21:28:10	10.0167	2351.804	149.101
2006/01/08	21:48:10	10.3500	2351.797	149.103
2006/01/08	22:08:10	10.6833	2351.776	149.117
2006/01/08	22:28:10	11.0167	2351.761	149.130
2006/01/08	22:48:10	11.3500	2351.747	149.139
2006/01/08	23:08:10	11.6833	2351.700	149.142
2006/01/08	23:28:10	12.0167	2351.678	149.157
2006/01/08	23:48:10	12.3500	2351.703	149.167
2006/01/09	00:08:10	12.6833	2351.695	149.184
2006/01/09	00:28:10	13.0167	2351.635	149.185
2006/01/09	00:48:10	13.3500	2351.618	149.198
2006/01/09	01:08:10	13.6833	2351.633	149.207
2006/01/09	01:28:10	14.0167	2351.610	149.221
2006/01/09	01:48:10	14.3500	2351.609	149.221
2006/01/09	02:08:10	14.6833	2351.610	149.236
2006/01/09	02:28:10	15.0167	2351.590	149.239
2006/01/09	02:48:10	15.3500	2351.617	149.247
2006/01/09	03:08:10	15.6833	2351.470	149.252
2006/01/09	03:28:10	16.0167	2351.559	149.270
2006/01/09	03:48:10	16.3500	2351.527	149.275
2006/01/09	04:08:10	16.6833	2351.586	149.284
2006/01/09	04:28:10	17.0167	2351.553	149.286



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/01/09	04:47:10	17.3333	2351.423	149.702
2006/01/09	05:07:10	17.6667	2351.395	149.715
2006/01/09	05:27:10	18.0000	2351.379	149.720
2006/01/09	05:47:10	18.3333	2351.413	149.729
2006/01/09	06:07:10	18.6667	2351.375	149.736
2006/01/09	06:27:10	19.0000	2351.420	149.751
2006/01/09	06:47:10	19.3333	2351.444	149.752
2006/01/09	07:07:10	19.6667	2351.355	149.756
2006/01/09	07:27:10	20.0000	2351.408	149.769
2006/01/09	07:47:10	20.3333	2351.406	149.779
2006/01/09	08:07:10	20.6667	2351.732	149.774
2006/01/09	08:27:10	21.0000	2351.507	149.774
2006/01/09	08:47:10	21.3333	2351.402	149.797
2006/01/09	09:07:10	21.6667	2351.470	149.797
Initial Injection Rate				
2006/01/09	09:07:55	21.6792	2351.998	149.801
2006/01/09	09:27:10	22.0000	2485.086	149.846
2006/01/09	09:47:10	22.3333	2680.443	149.904
2006/01/09	10:07:10	22.6667	2972.397	149.934
2006/01/09	10:27:10	23.0000	3169.766	149.853
2006/01/09	10:47:10	23.3333	3175.324	149.382
2006/01/09	11:07:10	23.6667	2754.980	146.061
2006/01/09	11:27:10	24.0000	3264.402	145.582
2006/01/09	11:47:10	24.3333	3278.620	136.060
2006/01/09	12:07:10	24.6667	3029.374	106.975
2006/01/09	12:27:10	25.0000	3392.773	105.258
2006/01/09	12:47:10	25.3333	2845.499	96.354
2006/01/09	13:07:10	25.6667	3397.034	87.274
2006/01/09	13:27:10	26.0000	3303.420	95.486
2006/01/09	13:47:10	26.3333	3238.924	73.004
2006/01/09	14:07:10	26.6667	3425.786	89.604
2006/01/09	14:27:10	27.0000	3069.879	68.891
2006/01/09	14:47:10	27.3333	3461.983	77.068
2006/01/09	15:07:10	27.6667	2976.231	72.030
2006/01/09	15:27:10	28.0000	3479.736	67.271
2006/01/09	15:47:10	28.3333	3332.589	73.738
2006/01/09	16:07:10	28.6667	3320.081	60.667
2006/01/09	16:27:10	29.0000	3482.302	70.794
2006/01/09	16:47:10	29.3333	3153.938	57.322
2006/01/09	17:07:10	29.6667	3507.385	66.018
Final Injection Rate				
2006/01/09	17:18:30	29.8556	3523.233	57.004
2006/01/09	17:27:10	30.0000	3097.717	58.978
2006/01/09	17:47:10	30.3333	2856.859	69.341
2006/01/09	18:07:10	30.6667	2752.779	79.149
2006/01/09	18:27:10	31.0000	2690.792	85.195
2006/01/09	18:47:10	31.3333	2661.370	89.064
2006/01/09	19:07:10	31.6667	2632.694	91.926
2006/01/09	19:27:10	32.0000	2608.030	94.188
2006/01/09	19:47:10	32.3333	2587.533	96.071
2006/01/09	20:07:10	32.6667	2570.488	97.785
2006/01/09	20:27:10	33.0000	2556.064	99.396
2006/01/09	20:47:10	33.3333	2543.574	100.897
2006/01/09	21:07:10	33.6667	2532.570	102.288

Date	Time	Cum.Time BH2	BH Pres 2	BH Temp 2
		hr	psig	deg F
2006/01/09	04:48:10	17.3500	2351.551	149.297
2006/01/09	05:08:10	17.6833	2351.488	149.310
2006/01/09	05:28:10	18.0167	2351.564	149.313
2006/01/09	05:48:10	18.3500	2351.480	149.322
2006/01/09	06:08:10	18.6833	2351.486	149.331
2006/01/09	06:28:10	19.0167	2351.445	149.331
2006/01/09	06:48:10	19.3500	2351.399	149.335
2006/01/09	07:08:10	19.6833	2351.432	149.347
2006/01/09	07:28:10	20.0167	2351.382	149.358
2006/01/09	07:48:10	20.3500	2351.406	149.364
2006/01/09	08:08:10	20.6833	2351.707	149.364
2006/01/09	08:28:10	21.0167	2351.447	149.369
2006/01/09	08:48:10	21.3500	2351.420	149.382
Initial Injection Rate				
2006/01/09	09:07:55	21.6792	2352.024	149.389
2006/01/09	09:08:10	21.6833	2352.819	149.383
2006/01/09	09:28:10	22.0167	2483.797	149.443
2006/01/09	09:48:10	22.3500	2689.740	149.490
2006/01/09	10:08:10	22.6833	2978.168	149.533
2006/01/09	10:28:10	23.0167	3172.770	149.452
2006/01/09	10:48:10	23.3500	3184.499	149.004
2006/01/09	11:08:10	23.6833	2731.284	146.055
2006/01/09	11:28:10	24.0167	3269.022	145.305
2006/01/09	11:48:10	24.3500	3292.502	136.769
2006/01/09	12:08:10	24.6833	2985.474	109.909
2006/01/09	12:28:10	25.0167	3387.158	105.372
2006/01/09	12:48:10	25.3500	2825.837	98.053
2006/01/09	13:08:10	25.6833	3396.090	87.789
2006/01/09	13:28:10	26.0167	3338.447	96.733
2006/01/09	13:48:10	26.3500	3181.110	74.093
2006/01/09	14:08:10	26.6833	3427.629	89.125
2006/01/09	14:28:10	27.0167	3039.600	71.269
2006/01/09	14:48:10	27.3500	3463.588	76.852
2006/01/09	15:08:10	27.6833	2955.682	74.698
2006/01/09	15:28:10	28.0167	3479.792	67.834
2006/01/09	15:48:10	28.3500	3412.713	75.772
2006/01/09	16:08:10	28.6833	3258.071	61.491
2006/01/09	16:28:10	29.0167	3485.594	71.506
2006/01/09	16:48:10	29.3500	3126.612	59.027
2006/01/09	17:08:10	29.6833	3509.375	66.436
Final Injection Rate				
2006/01/09	17:18:30	29.8556	3521.818	58.566
2006/01/09	17:28:10	30.0167	3076.216	60.145
2006/01/09	17:48:10	30.3500	2847.431	69.912
2006/01/09	18:08:10	30.6833	2746.262	79.324
2006/01/09	18:28:10	31.0167	2685.294	85.420
2006/01/09	18:48:10	31.3500	2656.582	89.303
2006/01/09	19:08:10	31.6833	2627.773	92.183
2006/01/09	19:28:10	32.0167	2603.393	94.447
2006/01/09	19:48:10	32.3500	2583.012	96.336
2006/01/09	20:08:10	32.6833	2566.009	98.029
2006/01/09	20:28:10	33.0167	2551.605	99.619
2006/01/09	20:48:10	33.3500	2539.112	101.097
2006/01/09	21:08:10	33.6833	2528.425	102.474



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/01/09	21:27:10	34.0000	2523.274	103.604
2006/01/09	21:47:10	34.3333	2514.783	104.776
2006/01/09	22:07:10	34.6667	2507.410	105.885
2006/01/09	22:27:10	35.0000	2500.709	106.912
2006/01/09	22:47:10	35.3333	2494.669	107.892
2006/01/09	23:07:10	35.6667	2489.172	108.822
2006/01/09	23:27:10	36.0000	2484.176	109.684
2006/01/09	23:47:10	36.3333	2479.619	110.514
2006/01/10	00:07:10	36.6667	2475.255	111.303
2006/01/10	00:27:10	37.0000	2471.330	112.055
2006/01/10	00:47:10	37.3333	2467.735	112.795
2006/01/10	01:07:10	37.6667	2464.299	113.497
2006/01/10	01:27:10	38.0000	2461.211	114.175
2006/01/10	01:47:10	38.3333	2458.248	114.807
2006/01/10	02:07:10	38.6667	2455.503	115.416
2006/01/10	02:27:10	39.0000	2452.807	116.001
2006/01/10	02:47:10	39.3333	2450.351	116.580
2006/01/10	03:07:10	39.6667	2447.967	117.122
2006/01/10	03:27:10	40.0000	2445.705	117.653
2006/01/10	03:47:10	40.3333	2443.590	118.166
2006/01/10	04:07:10	40.6667	2441.626	118.665
2006/01/10	04:27:10	41.0000	2439.596	119.133
2006/01/10	04:47:10	41.3333	2437.712	119.592
2006/01/10	05:07:10	41.6667	2435.970	120.043
2006/01/10	05:27:10	42.0000	2434.331	120.477
2006/01/10	05:47:10	42.3333	2432.585	120.875
2006/01/10	06:07:10	42.6667	2431.078	121.251
2006/01/10	06:27:10	43.0000	2429.588	121.626
2006/01/10	06:47:10	43.3333	2428.161	121.998
2006/01/10	07:07:10	43.6667	2426.657	122.347
2006/01/10	07:27:10	44.0000	2425.391	122.677
2006/01/10	07:47:10	44.3333	2424.074	123.024
2006/01/10	08:07:10	44.6667	2422.828	123.328
2006/01/10	08:27:10	45.0000	2421.587	123.636
2006/01/10	08:47:10	45.3333	2420.457	123.946
2006/01/10	09:07:10	45.6667	2419.226	124.232
2006/01/10	09:27:10	46.0000	2418.187	124.507
2006/01/10	09:47:10	46.3333	2417.119	124.795
2006/01/10	10:07:10	46.6667	2416.051	125.047
2006/01/10	10:27:10	47.0000	2415.037	125.312
2006/01/10	10:47:10	47.3333	2414.052	125.569
2006/01/10	11:07:10	47.6667	2413.156	125.821
2006/01/10	11:27:10	48.0000	2412.169	126.072
2006/01/10	11:47:10	48.3333	2412.336	126.293
2006/01/10	12:07:10	48.6667	2411.446	126.522
2006/01/10	12:27:10	49.0000	2410.609	126.732
2006/01/10	12:47:10	49.3333	2409.737	126.954
2006/01/10	13:07:10	49.6667	2408.886	127.168
2006/01/10	13:27:10	50.0000	2408.101	127.355
2006/01/10	13:47:10	50.3333	2407.362	127.562
2006/01/10	14:07:10	50.6667	2406.688	127.769
2006/01/10	14:27:10	51.0000	2405.887	127.967
2006/01/10	14:47:10	51.3333	2405.111	128.145
2006/01/10	15:07:10	51.6667	2404.418	128.341

Date	Time	Cum.Time BH2	BH Pres 2	BH Temp 2
		hr	psig	deg F
2006/01/09	21:28:10	34.0167	2519.020	103.759
2006/01/09	21:48:10	34.3500	2510.692	104.914
2006/01/09	22:08:10	34.6833	2503.267	106.011
2006/01/09	22:28:10	35.0167	2496.641	107.038
2006/01/09	22:48:10	35.3500	2490.557	107.983
2006/01/09	23:08:10	35.6833	2485.098	108.912
2006/01/09	23:28:10	36.0167	2480.046	109.746
2006/01/09	23:48:10	36.3500	2475.471	110.584
2006/01/10	00:08:10	36.6833	2471.240	111.366
2006/01/10	00:28:10	37.0167	2467.346	112.093
2006/01/10	00:48:10	37.3500	2463.788	112.818
2006/01/10	01:08:10	37.6833	2460.447	113.497
2006/01/10	01:28:10	38.0167	2457.263	114.154
2006/01/10	01:48:10	38.3500	2454.298	114.784
2006/01/10	02:08:10	38.6833	2451.523	115.383
2006/01/10	02:28:10	39.0167	2448.940	115.959
2006/01/10	02:48:10	39.3500	2446.529	116.523
2006/01/10	03:08:10	39.6833	2444.177	117.048
2006/01/10	03:28:10	40.0167	2441.998	117.576
2006/01/10	03:48:10	40.3500	2439.809	118.089
2006/01/10	04:08:10	40.6833	2437.785	118.566
2006/01/10	04:28:10	41.0167	2435.975	119.032
2006/01/10	04:48:10	41.3500	2434.116	119.480
2006/01/10	05:08:10	41.6833	2432.429	119.917
2006/01/10	05:28:10	42.0167	2430.761	120.342
2006/01/10	05:48:10	42.3500	2429.178	120.745
2006/01/10	06:08:10	42.6833	2427.646	121.129
2006/01/10	06:28:10	43.0167	2426.104	121.482
2006/01/10	06:48:10	43.3500	2424.725	121.847
2006/01/10	07:08:10	43.6833	2423.352	122.200
2006/01/10	07:28:10	44.0167	2421.965	122.524
2006/01/10	07:48:10	44.3500	2420.718	122.859
2006/01/10	08:08:10	44.6833	2419.491	123.166
2006/01/10	08:28:10	45.0167	2418.262	123.472
2006/01/10	08:48:10	45.3500	2417.154	123.780
2006/01/10	09:08:10	45.6833	2416.044	124.052
2006/01/10	09:28:10	46.0167	2414.928	124.336
2006/01/10	09:48:10	46.3500	2414.027	124.612
2006/01/10	10:08:10	46.6833	2412.939	124.857
2006/01/10	10:28:10	47.0167	2411.914	125.127
2006/01/10	10:48:10	47.3500	2410.991	125.377
2006/01/10	11:08:10	47.6833	2409.994	125.620
2006/01/10	11:28:10	48.0167	2409.194	125.870
2006/01/10	11:48:10	48.3500	2408.825	126.090
2006/01/10	12:08:10	48.6833	2407.877	126.309
2006/01/10	12:28:10	49.0167	2407.226	126.520
2006/01/10	12:48:10	49.3500	2406.390	126.732
2006/01/10	13:08:10	49.6833	2405.575	126.943
2006/01/10	13:28:10	50.0167	2404.891	127.148
2006/01/10	13:48:10	50.3500	2404.109	127.342
2006/01/10	14:08:10	50.6833	2403.507	127.548
2006/01/10	14:28:10	51.0167	2402.758	127.738
2006/01/10	14:48:10	51.3500	2402.032	127.927
2006/01/10	15:08:10	51.6833	2401.406	128.106

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/01/10	15:27:10	52.0000	2403.743	128.521
2006/01/10	15:47:10	52.3333	2403.057	128.682
2006/01/10	16:07:10	52.6667	2402.388	128.867
2006/01/10	16:27:10	53.0000	2401.817	129.051
2006/01/10	16:47:10	53.3333	2401.081	129.202
2006/01/10	17:07:10	53.6667	2400.503	129.369
2006/01/10	17:27:10	54.0000	2399.893	129.528
2006/01/10	17:47:10	54.3333	2399.406	129.681
2006/01/10	18:07:10	54.6667	2398.826	129.828
2006/01/10	18:27:10	55.0000	2398.220	129.983
2006/01/10	18:47:10	55.3333	2397.651	130.129
2006/01/10	19:07:10	55.6667	2397.135	130.262
2006/01/10	19:27:10	56.0000	2396.585	130.410
2006/01/10	19:47:10	56.3333	2396.087	130.539
2006/01/10	20:07:10	56.6667	2395.596	130.671
2006/01/10	20:27:10	57.0000	2395.032	130.800
2006/01/10	20:47:10	57.3333	2394.531	130.933
2006/01/10	21:07:10	57.6667	2394.090	131.072
2006/01/10	21:27:10	58.0000	2393.573	131.200
2006/01/10	21:47:10	58.3333	2393.171	131.322
2006/01/10	22:07:10	58.6667	2392.714	131.437
2006/01/10	22:27:10	59.0000	2392.294	131.549
2006/01/10	22:47:10	59.3333	2391.862	131.670
2006/01/10	23:07:10	59.6667	2391.371	131.788
2006/01/10	23:27:10	60.0000	2390.906	131.878
2006/01/10	23:47:10	60.3333	2390.558	132.008
2006/01/11	00:07:10	60.6667	2390.232	132.116
2006/01/11	00:27:10	61.0000	2389.745	132.213
2006/01/11	00:47:10	61.3333	2389.356	132.327
2006/01/11	01:07:10	61.6667	2389.058	132.424
2006/01/11	01:27:10	62.0000	2388.653	132.534
2006/01/11	01:47:10	62.3333	2388.288	132.638
2006/01/11	02:07:10	62.6667	2387.951	132.742
2006/01/11	02:27:10	63.0000	2387.612	132.832
2006/01/11	02:47:10	63.3333	2387.291	132.928
2006/01/11	03:07:10	63.6667	2386.892	133.041
2006/01/11	03:27:10	64.0000	2386.610	133.124
2006/01/11	03:47:10	64.3333	2386.245	133.214
2006/01/11	04:07:10	64.6667	2385.858	133.295
2006/01/11	04:27:10	65.0000	2385.656	133.387
2006/01/11	04:47:10	65.3333	2385.343	133.484
2006/01/11	05:07:10	65.6667	2385.031	133.579
2006/01/11	05:27:10	66.0000	2384.682	133.662
2006/01/11	05:47:10	66.3333	2384.428	133.759
2006/01/11	06:07:10	66.6667	2384.082	133.831
2006/01/11	06:27:10	67.0000	2383.779	133.921
2006/01/11	06:47:10	67.3333	2383.413	133.997
2006/01/11	07:07:10	67.6667	2383.280	134.098
2006/01/11	07:27:10	68.0000	2382.948	134.175
2006/01/11	07:47:10	68.3333	2382.683	134.247
2006/01/11	08:07:10	68.6667	2382.412	134.326
2006/01/11	08:27:10	69.0000	2382.111	134.407
2006/01/11	08:47:10	69.3333	2381.868	134.479
2006/01/11	09:07:10	69.6667	2381.612	134.559

Date	Time	Cum.Time BH2	BH Pres 2	BH Temp 2
		hr	psig	deg F
2006/01/10	15:28:10	52.0167	2400.692	128.287
2006/01/10	15:48:10	52.3500	2400.171	128.460
2006/01/10	16:08:10	52.6833	2399.555	128.628
2006/01/10	16:28:10	53.0167	2398.900	128.806
2006/01/10	16:48:10	53.3500	2398.271	128.961
2006/01/10	17:08:10	53.6833	2397.732	129.133
2006/01/10	17:28:10	54.0167	2397.171	129.290
2006/01/10	17:48:10	54.3500	2396.569	129.443
2006/01/10	18:08:10	54.6833	2396.016	129.571
2006/01/10	18:28:10	55.0167	2395.465	129.738
2006/01/10	18:48:10	55.3500	2394.989	129.886
2006/01/10	19:08:10	55.6833	2394.437	130.017
2006/01/10	19:28:10	56.0167	2393.954	130.159
2006/01/10	19:48:10	56.3500	2393.463	130.296
2006/01/10	20:08:10	56.6833	2392.974	130.413
2006/01/10	20:28:10	57.0167	2392.475	130.548
2006/01/10	20:48:10	57.3500	2391.968	130.689
2006/01/10	21:08:10	57.6833	2391.492	130.815
2006/01/10	21:28:10	58.0167	2391.087	130.932
2006/01/10	21:48:10	58.3500	2390.662	131.067
2006/01/10	22:08:10	58.6833	2390.194	131.175
2006/01/10	22:28:10	59.0167	2389.797	131.292
2006/01/10	22:48:10	59.3500	2389.335	131.412
2006/01/10	23:08:10	59.6833	2388.867	131.517
2006/01/10	23:28:10	60.0167	2388.579	131.616
2006/01/10	23:48:10	60.3500	2388.132	131.742
2006/01/11	00:08:10	60.6833	2387.695	131.859
2006/01/11	00:28:10	61.0167	2387.452	131.958
2006/01/11	00:48:10	61.3500	2387.021	132.060
2006/01/11	01:08:10	61.6833	2386.639	132.166
2006/01/11	01:28:10	62.0167	2386.336	132.271
2006/01/11	01:48:10	62.3500	2385.931	132.370
2006/01/11	02:08:10	62.6833	2385.657	132.481
2006/01/11	02:28:10	63.0167	2385.206	132.579
2006/01/11	02:48:10	63.3500	2384.952	132.654
2006/01/11	03:08:10	63.6833	2384.556	132.755
2006/01/11	03:28:10	64.0167	2384.266	132.849
2006/01/11	03:48:10	64.3500	2383.875	132.940
2006/01/11	04:08:10	64.6833	2383.667	133.034
2006/01/11	04:28:10	65.0167	2383.357	133.113
2006/01/11	04:48:10	65.3500	2383.011	133.207
2006/01/11	05:08:10	65.6833	2382.680	133.300
2006/01/11	05:28:10	66.0167	2382.427	133.396
2006/01/11	05:48:10	66.3500	2382.195	133.477
2006/01/11	06:08:10	66.6833	2381.897	133.572
2006/01/11	06:28:10	67.0167	2381.576	133.646
2006/01/11	06:48:10	67.3500	2381.262	133.713
2006/01/11	07:08:10	67.6833	2381.000	133.815
2006/01/11	07:28:10	68.0167	2380.763	133.898
2006/01/11	07:48:10	68.3500	2380.434	133.966
2006/01/11	08:08:10	68.6833	2380.303	134.051
2006/01/11	08:28:10	69.0167	2379.897	134.123
2006/01/11	08:48:10	69.3500	2379.683	134.191
2006/01/11	09:08:10	69.6833	2379.442	134.278



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/01/11	09:27:10	70.0000	2381.358	134.623
2006/01/11	09:47:10	70.3333	2381.116	134.699
2006/01/11	10:07:10	70.6667	2380.886	134.778
2006/01/11	10:27:10	71.0000	2380.658	134.857
2006/01/11	10:47:10	71.3333	2380.364	134.917
2006/01/11	11:07:10	71.6667	2380.146	134.992
2006/01/11	11:27:10	72.0000	2379.848	135.066
2006/01/11	11:47:10	72.3333	2379.676	135.138
2006/01/11	12:07:10	72.6667	2379.452	135.199
2006/01/11	12:27:10	73.0000	2379.290	135.268
2006/01/11	12:47:10	73.3333	2379.039	135.327
2006/01/11	13:07:10	73.6667	2378.758	135.392
2006/01/11	13:27:10	74.0000	2378.576	135.471
2006/01/11	13:47:10	74.3333	2378.308	135.516
2006/01/11	14:07:10	74.6667	2378.100	135.570
2006/01/11	14:27:10	75.0000	2378.030	135.646
2006/01/11	14:47:10	75.3333	2377.682	135.700
2006/01/11	15:07:10	75.6667	2377.475	135.761
2006/01/11	15:27:10	76.0000	2377.311	135.819
2006/01/11	15:47:10	76.3333	2377.088	135.874
2006/01/11	16:07:10	76.6667	2376.953	135.941
2006/01/11	16:27:10	77.0000	2376.695	135.995
2006/01/11	16:47:10	77.3333	2376.553	136.049
2006/01/11	17:07:10	77.6667	2376.323	136.101
2006/01/11	17:27:10	78.0000	2376.189	136.166
2006/01/11	17:47:10	78.3333	2375.953	136.216
2006/01/11	18:07:10	78.6667	2375.758	136.265
2006/01/11	18:27:10	79.0000	2375.601	136.317
2006/01/11	18:47:10	79.3333	2375.392	136.382
2006/01/11	19:07:10	79.6667	2375.240	136.436
2006/01/11	19:27:10	80.0000	2375.066	136.501
2006/01/11	19:47:10	80.3333	2374.903	136.555
2006/01/11	20:07:10	80.6667	2374.708	136.607
2006/01/11	20:27:10	81.0000	2374.541	136.650
2006/01/11	20:47:10	81.3333	2374.424	136.690
2006/01/11	21:07:10	81.6667	2374.176	136.735
2006/01/11	21:27:10	82.0000	2374.004	136.792
2006/01/11	21:47:10	82.3333	2373.865	136.848
2006/01/11	22:07:10	82.6667	2373.694	136.918
2006/01/11	22:27:10	83.0000	2373.529	136.947
2006/01/11	22:47:10	83.3333	2373.376	136.990
2006/01/11	23:07:10	83.6667	2373.193	137.037
2006/01/11	23:27:10	84.0000	2373.109	137.080
2006/01/11	23:47:10	84.3333	2372.887	137.120
2006/01/12	00:07:10	84.6667	2372.805	137.156
2006/01/12	00:27:10	85.0000	2372.630	137.190
2006/01/12	00:47:10	85.3333	2372.567	137.244
2006/01/12	01:07:10	85.6667	2372.380	137.277
2006/01/12	01:27:10	86.0000	2372.222	137.329
2006/01/12	01:47:10	86.3333	2372.111	137.367
2006/01/12	02:07:10	86.6667	2371.988	137.410
2006/01/12	02:27:10	87.0000	2371.890	137.446
2006/01/12	02:47:10	87.3333	2371.747	137.493
2006/01/12	03:07:10	87.6667	2371.605	137.529

Date	Time	Cum.Time BH2	BH Pres 2	BH Temp 2
		hr	psig	deg F
2006/01/11	09:28:10	70.0167	2379.225	134.346
2006/01/11	09:48:10	70.3500	2378.983	134.406
2006/01/11	10:08:10	70.6833	2378.747	134.496
2006/01/11	10:28:10	71.0167	2378.433	134.566
2006/01/11	10:48:10	71.3500	2378.191	134.636
2006/01/11	11:08:10	71.6833	2378.003	134.713
2006/01/11	11:28:10	72.0167	2377.816	134.791
2006/01/11	11:48:10	72.3500	2377.542	134.870
2006/01/11	12:08:10	72.6833	2377.293	134.926
2006/01/11	12:28:10	73.0167	2377.067	134.976
2006/01/11	12:48:10	73.3500	2376.850	135.041
2006/01/11	13:08:10	73.6833	2376.641	135.109
2006/01/11	13:28:10	74.0167	2376.404	135.178
2006/01/11	13:48:10	74.3500	2376.238	135.235
2006/01/11	14:08:10	74.6833	2376.020	135.277
2006/01/11	14:28:10	75.0167	2375.847	135.360
2006/01/11	14:48:10	75.3500	2375.687	135.426
2006/01/11	15:08:10	75.6833	2375.407	135.469
2006/01/11	15:28:10	76.0167	2375.267	135.525
2006/01/11	15:48:10	76.3500	2375.056	135.601
2006/01/11	16:08:10	76.6833	2374.881	135.653
2006/01/11	16:28:10	77.0167	2374.663	135.703
2006/01/11	16:48:10	77.3500	2374.449	135.770
2006/01/11	17:08:10	77.6833	2374.314	135.817
2006/01/11	17:28:10	78.0167	2374.128	135.880
2006/01/11	17:48:10	78.3500	2373.955	135.945
2006/01/11	18:08:10	78.6833	2373.790	135.975
2006/01/11	18:28:10	79.0167	2373.583	136.058
2006/01/11	18:48:10	79.3500	2373.437	136.108
2006/01/11	19:08:10	79.6833	2373.186	136.153
2006/01/11	19:28:10	80.0167	2373.070	136.229
2006/01/11	19:48:10	80.3500	2372.927	136.254
2006/01/11	20:08:10	80.6833	2372.783	136.315
2006/01/11	20:28:10	81.0167	2372.577	136.366
2006/01/11	20:48:10	81.3500	2372.372	136.418
2006/01/11	21:08:10	81.6833	2372.225	136.479
2006/01/11	21:28:10	82.0167	2372.148	136.508
2006/01/11	21:48:10	82.3500	2371.921	136.569
2006/01/11	22:08:10	82.6833	2371.749	136.616
2006/01/11	22:28:10	83.0167	2371.564	136.661
2006/01/11	22:48:10	83.3500	2371.465	136.695
2006/01/11	23:08:10	83.6833	2371.336	136.755
2006/01/11	23:28:10	84.0167	2371.206	136.792
2006/01/11	23:48:10	84.3500	2370.937	136.823
2006/01/12	00:08:10	84.6833	2370.882	136.872
2006/01/12	00:28:10	85.0167	2370.777	136.918
2006/01/12	00:48:10	85.3500	2370.643	136.962
2006/01/12	01:08:10	85.6833	2370.469	136.992
2006/01/12	01:28:10	86.0167	2370.353	137.048
2006/01/12	01:48:10	86.3500	2370.197	137.073
2006/01/12	02:08:10	86.6833	2370.065	137.133
2006/01/12	02:28:10	87.0167	2369.921	137.172
2006/01/12	02:48:10	87.3500	2369.845	137.212
2006/01/12	03:08:10	87.6833	2369.686	137.239



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/01/12	03:27:10	88.0000	2371.467	137.570
2006/01/12	03:47:10	88.3333	2371.342	137.617
2006/01/12	04:07:10	88.6667	2371.184	137.640
2006/01/12	04:27:10	89.0000	2371.092	137.692
2006/01/12	04:47:10	89.3333	2370.992	137.741
2006/01/12	05:07:10	89.6667	2370.838	137.784
2006/01/12	05:27:10	90.0000	2370.712	137.818
2006/01/12	05:47:10	90.3333	2370.577	137.844
2006/01/12	06:07:10	90.6667	2370.533	137.899
2006/01/12	06:27:10	91.0000	2370.373	137.925
2006/01/12	06:47:10	91.3333	2370.235	137.971
2006/01/12	07:07:10	91.6667	2370.119	138.002
2006/01/12	07:27:10	92.0000	2369.965	138.052
2006/01/12	07:47:10	92.3333	2369.893	138.079
2006/01/12	08:07:10	92.6667	2369.811	138.124
2006/01/12	08:27:10	93.0000	2369.693	138.164
2006/01/12	08:47:10	93.3333	2369.554	138.189
2006/01/12	09:07:10	93.6667	2369.489	138.231
2006/01/12	09:27:10	94.0000	2369.340	138.276
2006/01/12	09:47:10	94.3333	2369.236	138.294
2006/01/12	10:07:10	94.6667	2369.101	138.355
2006/01/12	10:27:10	95.0000	2368.938	138.384
2006/01/12	10:47:10	95.3333	2368.934	138.411
2006/01/12	11:07:10	95.6667	2368.710	138.445
2006/01/12	11:27:10	96.0000	2368.706	138.481
2006/01/12	11:47:10	96.3333	2368.598	138.531
2006/01/12	12:07:10	96.6667	2368.480	138.547
2006/01/12	12:27:10	97.0000	2368.424	138.591
2006/01/12	12:47:10	97.3333	2368.318	138.609
2006/01/12	13:07:10	97.6667	2368.167	138.648
2006/01/12	13:27:10	98.0000	2368.066	138.699
2006/01/12	13:47:10	98.3333	2369.177	138.731
Final SIBHP				
2006/01/12	13:58:40	98.5250	2367.450	138.747
2006/01/12	14:07:10	98.6667	1415.006	124.470
2006/01/12	14:27:10	99.0000	-3.865	58.399

Date	Time	Cum.Time BH2	BH Pres 2	BH Temp 2
		hr	psig	deg F
2006/01/12	03:28:10	88.0167	2369.580	137.300
2006/01/12	03:48:10	88.3500	2369.493	137.347
2006/01/12	04:08:10	88.6833	2369.329	137.386
2006/01/12	04:28:10	89.0167	2369.279	137.422
2006/01/12	04:48:10	89.3500	2369.186	137.457
2006/01/12	05:08:10	89.6833	2368.984	137.502
2006/01/12	05:28:10	90.0167	2368.809	137.536
2006/01/12	05:48:10	90.3500	2368.709	137.574
2006/01/12	06:08:10	90.6833	2368.642	137.608
2006/01/12	06:28:10	91.0167	2368.506	137.649
2006/01/12	06:48:10	91.3500	2368.378	137.683
2006/01/12	07:08:10	91.6833	2368.268	137.734
2006/01/12	07:28:10	92.0167	2368.230	137.759
2006/01/12	07:48:10	92.3500	2368.103	137.806
2006/01/12	08:08:10	92.6833	2367.945	137.851
2006/01/12	08:28:10	93.0167	2367.770	137.874
2006/01/12	08:48:10	93.3500	2367.753	137.919
2006/01/12	09:08:10	93.6833	2367.663	137.980
2006/01/12	09:28:10	94.0167	2367.548	137.986
2006/01/12	09:48:10	94.3500	2367.400	138.024
2006/01/12	10:08:10	94.6833	2367.364	138.081
2006/01/12	10:28:10	95.0167	2367.187	138.114
2006/01/12	10:48:10	95.3500	2367.103	138.133
2006/01/12	11:08:10	95.6833	2367.010	138.166
2006/01/12	11:28:10	96.0167	2366.940	138.229
2006/01/12	11:48:10	96.3500	2366.756	138.240
2006/01/12	12:08:10	96.6833	2366.677	138.283
2006/01/12	12:28:10	97.0167	2366.643	138.312
2006/01/12	12:48:10	97.3500	2366.524	138.322
2006/01/12	13:08:10	97.6833	2366.395	138.387
2006/01/12	13:28:10	98.0167	2366.325	138.427
2006/01/12	13:48:10	98.3500	2366.637	138.439
Final SIBHP				
2006/01/12	13:58:40	98.5250	2365.720	138.493
2006/01/12	14:08:10	98.6833	1269.016	120.346
2006/01/12	14:28:10	99.0167	-5.231	57.951

Company: Whitmar Exploration Company

Lease: SWD #1

Formation: Sandstone



Ant. Pump Date: Jan 9, 2006

Injection Test

155° F

Stage	Fluid Schedule	Volume (gals)	Cumulative Volume (gals)				Slurry Volume (bbls)	Rate (bpm)	Stage Time (h:min:sec)	Total Time (h:min:sec)	ISIP	5 min	10 min	15 min	Ave. Rate (bpm)	Ave. PSI (psi)	Stage
1	Fresh Water									6:27:37							1
2	Fresh Water	1,680	1,680				40	1	0:40:00	6:27:37	5				1.00	10	2
3	Fresh Water	2,520	4,200				60	2	0:30:00	5:47:37	34	5			2.00	25	3
4	Fresh Water	3,360	7,560				80	3	0:26:40	5:17:37	181	5			3.00	305	4
5	Fresh Water	4,200	11,760				100	4	0:25:00	4:50:57	461	10			4.00	504	5
6	Fresh Water	5,040	16,800				120	5	0:24:00	4:25:57	444	65	25	14	5.00	532	6
7	Fresh Water	5,880	22,680				140	6	0:23:20	4:01:57	312	10			6.00	433	7
8	Fresh Water	6,720	29,400				160	7	0:22:51	3:38:37	397	74	15	11	7.00	495	8
9	Fresh Water	7,560	36,960				180	8	0:22:30	3:15:45	543	237	103	25	8.00	623	9
10	Fresh Water	8,400	45,360				200	9	0:22:13	2:53:15	594	343	197	113	9.00	675	10
11	Fresh Water	9,240	54,600				220	10	0:22:00	2:31:02	631	354	249	161	10.00	756	11
12	Fresh Water	10,080	64,680				240	11	0:21:49	2:09:02	650	395	263	180	11.00	798	12
13	Fresh Water	10,920	75,600				260	12	0:21:40	1:47:13	661	404	286	206	12.00	811	13
14	Fresh Water	11,760	87,360				280	13	0:21:32	1:25:33	664	438	303	215	13.00	812	14
15	Fresh Water	12,600	99,960				300	14	0:21:26	1:04:01	787	445	322	235	14.00	897	15
16	Fresh Water	13,440	113,400				320	15	0:21:20	0:42:35	756	440	328	254	15.00	923	16
17	Fresh Water	14,280	127,680				340	16	0:21:15	0:21:15	754	462	346	266	16.00	966.00	17
Totals		127,680					3,040		6:27:37		492.1	230.4	203.1	140.0	8.5	597.8	

Callsheet Totals for Materials on Location - 25% Excess

Percent Pad:	3.29%	TBG Size	TBG Weight	Pipe Friction	ISIP	5 min	10 min	15 min	Ave. Rate	Ave. PSI
Pad + SLF:	22,680	7	17	500	615	288	254	175	11	747.265625
Pad + SLF + Flush:	29,400									

Reservoir Pressure: 2,577 psi Press Gradient: 0.433 psi/ft
 BHTP: 4,167 psi Temp Gradient: 1.60 ° F/100 ft
 Frac Gradient: 0.7 psi/ft Treating Press: 2194 psi
 Density: 8.38 lb/gal

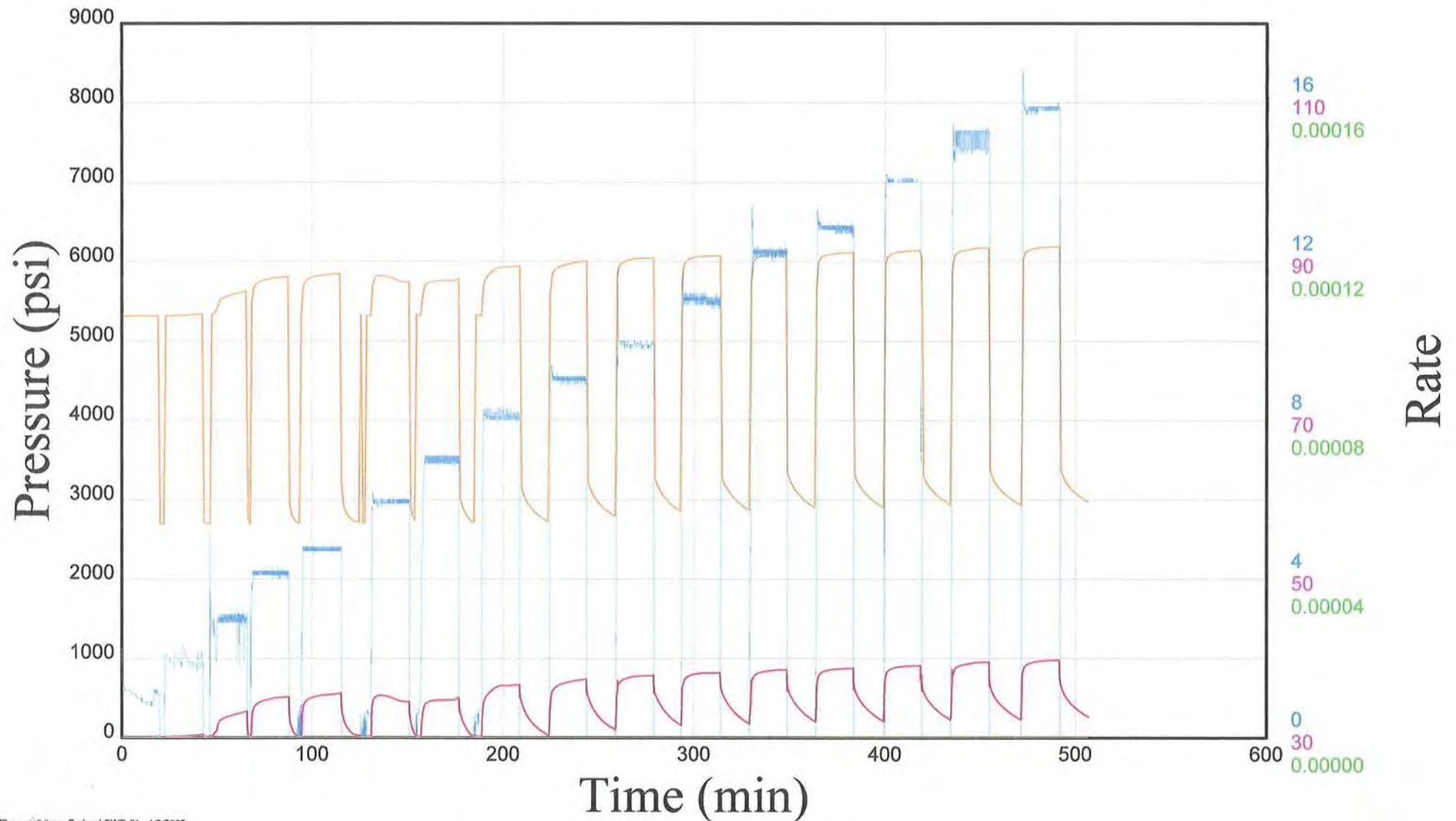
Mid Perf:	5952.5	feet	Gross Feet
Number of Perfs:	346		435
Perf Diameter:	0.4	inches	Net Feet
Perf Friction:	120	psi	435

Perf Zone #1 5735 to 6170 346 holes

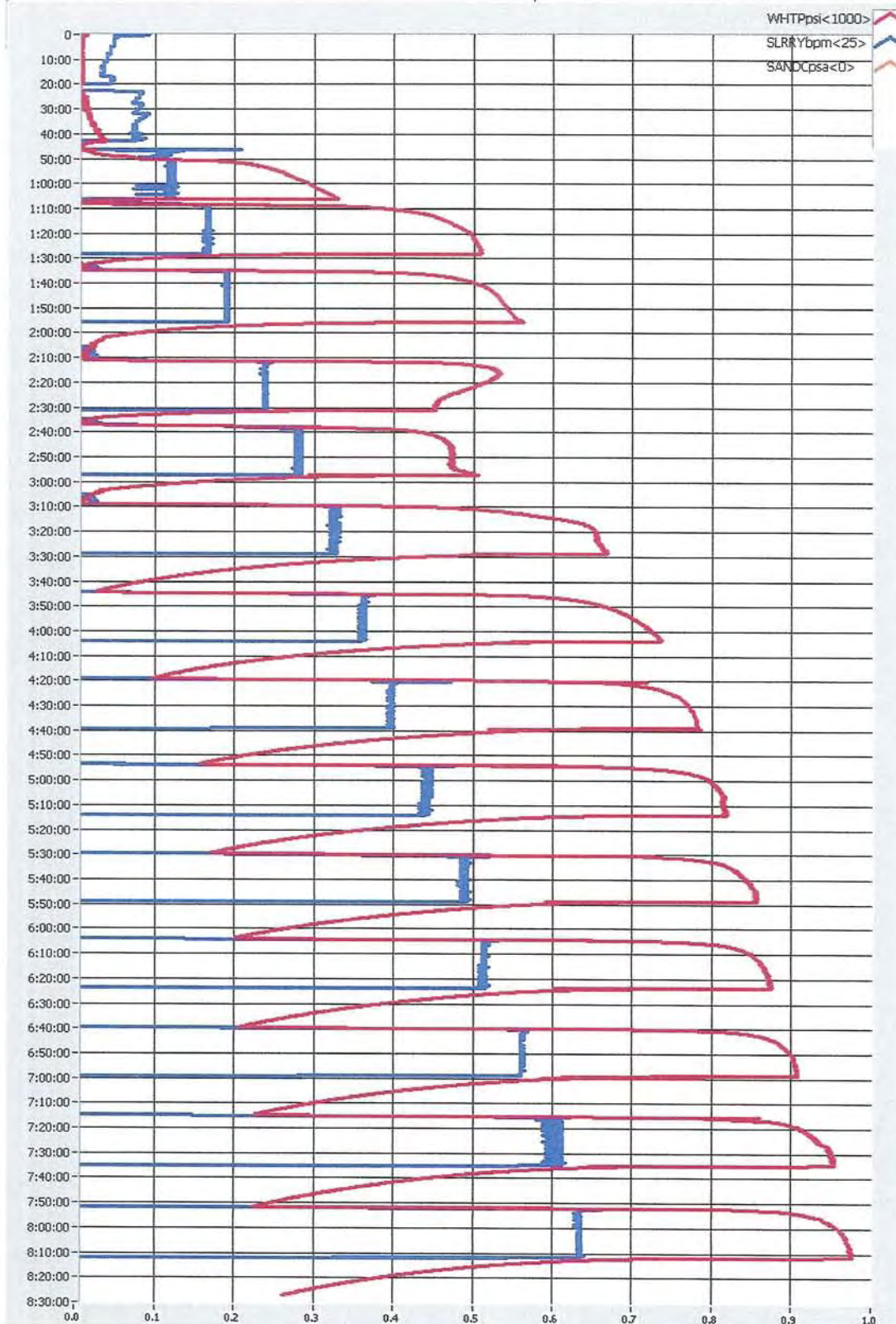
1 % KCL

BH Calc. & Surface Pressure

— Measured Surface Pres. (psi) — Measured BH Rate (bpm)
— Calc BHTP from Surface Pressure (psi)



Invoice	:246	Stage	:1 of 1
Date	:Mon 01/09/2006	Start Time	:08:45:27 (08:45 AM)
Customer	:WHITMAR	Lease	:SWD#1



Customer :WHITMAR

Lease :SWD#1

Invoice :246	Stage :1 of 1
Date :Mon 01/09/2006	Start Time :08:45:27 (08:45 AM)
Customer :WHITMAR	Lease :SWD#1
State :UTAH	County :CARBON COUNTY
Engineer :BEN DAVIS	Comments :
Primary : 5-1/2; J-55 ; 15.50# - NEW	Secondary :NONE -
Formation :SAND	Job Type :TEST INJECTION
Treat Vol :70000 GAL	Flush Vol :1000 GAL
Top Int :5735 FEET	Bottom Int :6170 FEET
Notch/Perf :346 EACH	Comments :WELL SERVICES

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 566 *** AVERAGE RATE: 8.5 *** AVERAGE HHP: 118 *** PTS USED: 63

CALCULATED SHUT IN: ISIP *** 5
 CALCULATED SHUT IN: ISIP *** 5
 CALCULATED SHUT IN: SIP 5 *** 4
 CALCULATED SHUT IN: SIP 10 *** 4
 CALCULATED SHUT IN: ISIP *** 27
 CALCULATED SHUT IN: SIP 5 *** 5
 CALCULATED SHUT IN: ISIP *** 104
 CALCULATED SHUT IN: SIP 5 *** 7
 CALCULATED SHUT IN: SIP 5 *** 7
 CALCULATED SHUT IN: ISIP *** 302
 CALCULATED SHUT IN: ISIP *** 297
 CALCULATED SHUT IN: SIP 5 *** 10
 CALCULATED SHUT IN: SIP 5 *** 9
 CALCULATED SHUT IN: ISIP *** 367
 CALCULATED SHUT IN: SIP 5 *** 66
 CALCULATED SHUT IN: SIP 10 *** 22
 CALCULATED SHUT IN: SIP 15 *** 12
 CALCULATED SHUT IN: ISIP *** 264
 CALCULATED SHUT IN: SIP 5 *** 10
 CALCULATED SHUT IN: SIP 10 *** 6
 CALCULATED SHUT IN: ISIP *** 351
 CALCULATED SHUT IN: SIP 5 *** 74
 CALCULATED SHUT IN: SIP 5 *** 73
 CALCULATED SHUT IN: SIP 10 *** 14
 CALCULATED SHUT IN: SIP 15 *** 7
 CALCULATED SHUT IN: ISIP *** 514
 CALCULATED SHUT IN: SIP 5 *** 237
 CALCULATED SHUT IN: SIP 10 *** 102
 CALCULATED SHUT IN: SIP 10 *** 102
 CALCULATED SHUT IN: SIP 15 *** 30
 CALCULATED SHUT IN: ISIP *** 574
 CALCULATED SHUT IN: SIP 5 *** 343
 CALCULATED SHUT IN: SIP 10 *** 198
 CALCULATED SHUT IN: SIP 15 *** 111
 CALCULATED SHUT IN: ISIP *** 605
 CALCULATED SHUT IN: SIP 5 *** 354
 CALCULATED SHUT IN: SIP 5 *** 353
 CALCULATED SHUT IN: SIP 10 *** 248
 CALCULATED SHUT IN: SIP 15 *** 161
 CALCULATED SHUT IN: ISIP *** 625
 CALCULATED SHUT IN: SIP 5 *** 396
 CALCULATED SHUT IN: SIP 10 *** 263
 CALCULATED SHUT IN: SIP 15 *** 180
 CALCULATED SHUT IN: ISIP *** 642

Customer :WHITMAR

Lease :SWD#1

CALCULATED SHUT IN: ISIP *** 640
 CALCULATED SHUT IN: SIP 5 *** 404
 CALCULATED SHUT IN: SIP 5 *** 288
 CALCULATED SHUT IN: SIP 10 *** 286
 CALCULATED SHUT IN: SIP 15 *** 207
 CALCULATED SHUT IN: ISIP *** 655
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 5 *** 444
 CALCULATED SHUT IN: SIP 5 *** 440
 CALCULATED SHUT IN: SIP 10 *** 303
 CALCULATED SHUT IN: SIP 15 *** 216
 CALCULATED SHUT IN: ISIP *** Error
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 10 *** 323
 CALCULATED SHUT IN: SIP 15 *** 235
 CALCULATED SHUT IN: ISIP *** 687
 CALCULATED SHUT IN: SIP 5 *** 438
 CALCULATED SHUT IN: SIP 10 *** 328
 CALCULATED SHUT IN: SIP 15 *** 248
 CALCULATED SHUT IN: SIP 15 *** 247
 CALCULATED SHUT IN: ISIP *** 700
 CALCULATED SHUT IN: SIP 5 *** 462
 CALCULATED SHUT IN: SIP 10 *** 345
 CALCULATED SHUT IN: SIP 10 *** 342
 CALCULATED SHUT IN: SIP 15 *** 267

LOGGED DATA

	Comment	WHTPsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
09:05:10	PAUSED	10	2.0	2	2
09:05:26	Pmp H2O	10	1.8	25	25
09:12:20	Chk R&P	5	1.1	372	372
09:20:40	Chk R&P	5	0.8	699	699
09:24:16	Chk R&P	10	1.1	856	856
09:25:12	ISIP	5	0.0	895	895
09:25:14	ISIP	5	0.0	895	895
09:26:14	SIP 5	5	0.0	895	895
09:26:24	SIP 10	5	0.0	895	895
09:27:34	Pmp H2O	0	0.0	895	895
09:28:22	Chk R&P	10	2.1	944	944
09:28:24	Chk R&P	10	2.1	947	947
09:29:18	ZEROSUB	10	2.0	1025	1025
09:29:20	ZEROSUB	10	2.0	1	1028
09:37:54	Chk R&P	15	2.2	717	1743
09:41:04	Chk R&P	25	1.9	985	2011
09:47:04	Chk R&P	34	2.1	1457	2483
09:48:06	ISIP	37	0.0	1536	2562
09:51:12	SIP 5	5	0.0	1536	2562
09:51:30	Pmp H2O	25	3.9	1553	2579
09:52:26	Chk R&P	19	2.9	1662	2688
09:55:32	Chk R&P	131	3.0	1995	3021
10:01:10	Chk R&P	265	3.1	2700	3727
10:05:24	Chk R&P	295	3.0	3231	4257
10:08:46	Chk R&P	316	3.1	3645	4671
10:11:14	ISIP	166	0.0	3934	4960

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
10:12:38	SIP 5	5	0.5	3934	4960
10:12:40	SIP 5	5	0.0	3935	4961
10:12:50	Pmp H2O	5	0.4	3936	4963
10:14:18	ZEROSUB	360	4.1	1	5151
10:14:20	Chk R&P	362	4.2	6	5157
10:20:00	Chk R&P	466	4.1	994	6144
10:22:58	Chk R&P	485	4.2	1511	6661
10:33:08	ISIP	458	0.0	3268	8418
10:33:10	ISIP	327	0.0	3268	8418
10:33:46	ZEROSUB	196	0.0	0	8418
10:38:12	SIP 5	10	0.0	3	8421
10:38:14	SIP 5	5	0.0	3	8421
10:39:52	Pmp H2O	93	2.0	35	8454
10:40:24	Chk R&P	358	4.8	124	8542
10:46:26	Chk R&P	515	4.7	1324	9743
11:00:38	ISIP	396	0.0	4115	12533
11:03:08	ZEROSUB	144	0.0	0	12533
11:05:34	SIP 5	65	0.0	0	12533
11:10:30	SIP 10	20	0.0	0	12533
11:15:24	SIP 15	14	0.6	57	12590
11:15:56	Pmp H2O	10	0.6	70	12603
11:17:20	Pmp H2O	479	6.0	352	12885
11:17:32	Chk R&P	485	6.0	402	12935
11:30:40	Chk R&P	464	6.0	3674	16207
11:30:42	Chk R&P	465	6.0	3683	16216
11:35:40	Chk R&P	452	6.0	4926	17460
11:36:18	ISIP	311	0.0	5038	17571
11:41:02	SIP 5	10	0.6	5062	17595
11:41:18	ZEROSUB	10	0.7	0	17603
11:41:40	SIP 10	10	0.8	11	17614
11:42:20	Pmp H2O	83	2.7	49	17652
11:42:44	Pmp H2O	229	4.8	123	17726
11:44:02	Chk R&P	404	7.0	460	18063
11:46:06	Chk R&P	449	6.9	1069	18672
11:48:54	Chk R&P	465	6.9	1892	19495
11:53:04	Chk R&P	475	7.1	3117	20720
11:59:02	Chk R&P	474	6.9	4872	22475
12:02:20	ISIP	406	0.0	5796	23399
12:07:06	SIP 5	74	0.0	5796	23399
12:07:08	SIP 5	73	0.0	5796	23399
12:11:56	SIP 10	10	0.5	5823	23426
12:13:36	SIP 15	5	0.7	5867	23470
12:13:58	Pmp H2O	20	1.0	5879	23482
12:14:38	Pmp H2O	361	7.7	6017	23620
12:15:00	Chk R&P	434	8.1	6142	23745
12:22:18	Chk R&P	642	8.0	8629	26232
12:27:58	Chk R&P	656	8.1	10556	28159
12:33:46	Chk R&P	667	8.2	12527	30130
12:34:08	ISIP	549	0.0	12601	30204
12:38:58	SIP 5	236	0.0	12601	30204
12:44:14	SIP 10	103	0.0	12601	30204

2003 Accudat 3.9x

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Invoice :246

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
12:44:16	SIP 10	102	0.0	12601	30204
12:49:10	SIP 15	28	0.0	12601	30204
12:49:36	Pmp H2O	98	2.0	12610	30213
12:50:54	Chk R&P	573	9.1	13027	30630
12:50:58	ZEROSUB	576	9.0	6	30654
12:54:42	Chk R&P	662	9.1	1426	32075
13:01:16	Chk R&P	708	9.1	3914	34563
13:01:18	Chk R&P	709	9.1	3928	34576
13:08:44	Chk R&P	737	9.1	6741	37390
13:09:08	ISIP	595	0.0	6834	37483
13:13:04	SIP 5	342	0.0	6834	37483
13:18:02	SIP 10	197	0.0	6834	37483
13:23:06	SIP 15	112	0.0	6834	37482
13:24:14	Pmp H2O	122	1.9	6837	37485
13:24:50	Chk R&P	536	9.5	6993	37642
13:29:22	Chk R&P	742	9.9	8890	39539
13:37:38	Chk R&P	777	9.9	12330	42979
13:43:06	Chk R&P	781	10.0	14602	45251
13:43:08	Chk R&P	782	9.9	14614	45263
13:44:18	ISIP	660	0.0	15033	45682
13:49:24	SIP 5	354	0.0	15033	45682
13:49:26	SIP 5	353	0.0	15033	45682
13:53:20	SIP 10	248	0.0	15033	45682
13:58:16	SIP 15	161	0.0	15033	45682
13:58:40	Pmp H2O	156	1.6	15033	45682
13:58:42	Pmp H2O	186	1.2	15035	45684
13:59:32	Chk R&P	662	10.9	15325	45974
14:02:16	Chk R&P	773	11.0	16594	47243
14:09:12	Chk R&P	811	11.1	19814	50463
14:18:48	Chk R&P	816	11.1	24253	54902
14:19:18	ISIP	650	0.0	24408	55056
14:24:02	SIP 5	395	0.0	24407	55056
14:29:04	SIP 10	263	0.0	24407	55056
14:33:52	SIP 15	180	0.0	24407	55056
14:34:14	Pmp H2O	174	0.0	24407	55056
14:36:10	Chk R&P	744	12.3	25054	55703
14:36:18	ZEROSUB	753	12.1	5	55772
14:39:12	Chk R&P	816	12.2	1496	57263
14:42:42	Chk R&P	833	12.3	3293	59061
14:52:40	Chk R&P	856	12.2	8408	64175
14:54:08	ISIP	669	0.0	9081	64848
14:54:10	ISIP	682	0.0	9081	64848
14:59:10	SIP 5	403	0.0	9081	64848
15:03:48	SIP 5	288	0.0	9081	64848
15:03:54	SIP 10	285	0.0	9081	64848
15:08:30	SIP 15	206	0.0	9081	64848
15:08:56	Pmp H2O	230	1.1	9082	64849
15:09:48	Chk R&P	708	13.1	9370	65137
15:28:16	Chk R&P	876	12.7	19324	75092
15:28:52	ISIP	697	0.0	19590	75358
15:33:02	SIP 5	444	0.0	19590	75358

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
15:33:04	SIP 5	444	0.0	19590	75358
15:33:12	SIP 5	439	0.0	19590	75358
15:38:44	SIP 10	303	0.0	19590	75358
15:43:54	SIP 15	215	0.0	19590	75358
15:44:12	Pmp H2O	210	0.0	19590	75358
15:44:20	ZEROSUB	210	0.0	0	75358
15:45:44	Chk R&P	788	14.0	496	75853
15:50:18	Chk R&P	882	14.0	3190	78548
15:50:28	Chk R&P	884	14.0	3287	78645
16:03:22	Chk R&P	907	13.9	10883	86240
16:04:06	ISIP	767	7.4	11288	86646
16:08:48	SIP 5	444	0.0	11426	86784
16:13:48	SIP 10	322	0.0	11426	86784
16:16:22	ZEROSUB	275	0.0	0	86784
16:19:00	SIP 15	235	0.0	0	86784
16:19:30	Pmp H2O	229	0.0	0	86784
16:20:08	Pmp H2O	410	5.2	45	86828
16:22:00	Chk R&P	866	15.1	1132	87916
16:23:16	Chk R&P	894	14.8	1935	88719
16:32:56	Chk R&P	948	14.9	8069	94852
16:39:36	Chk R&P	955	15.3	12304	99088
16:40:00	ISIP	751	2.5	12507	99290
16:45:08	SIP 5	437	0.0	12508	99292
16:50:02	SIP 10	327	0.0	12508	99292
16:54:58	SIP 15	248	0.0	12508	99292
16:55:00	SIP 15	247	0.0	12508	99292
16:56:36	Pmp H2O	225	0.0	12508	99292
16:56:42	ZEROSUB	225	0.0	12508	99292
16:57:48	Chk R&P	852	16.0	562	99854
17:04:46	Chk R&P	956	15.8	5190	104482
17:14:34	Chk R&P	974	15.8	11721	111013
17:15:46	Chk R&P	975	15.9	12521	111813
17:17:04	ISIP	723	0.0	13288	112580
17:21:46	SIP 5	461	0.0	13288	112580
17:26:50	SIP 10	346	0.0	13288	112580
17:27:00	SIP 10	342	0.0	13288	112580
17:31:46	SIP 15	266	0.0	13288	112580

POST JOB COMMENTS

Safety Meeting Conducted

Thank you for Using Superior Well Services

END OF REPORT



Superior Well Services

1453 East 335 South, P.O. Box 1094

Vernal, Utah 84078

435-781-0266 • fax: 435-781-0270

MFrac

Three-Dimensional Hydraulic Fracturing Simulator

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2207 Freeport Rd, Suite D, Natrona Heights, PA 15065 USA

MFrac version 5.20.1209

<http://mfrac.com/>

Simulation Date 1/9/2006 5:47:14 PM

Company : Whitmar Exploration
Well: Federal SWD #1
Location: Carbon, Co.
Date: January 9 ,2005

Comments:

Salt Water Disposal Well #1
Water Injection Step Up Test

Chris,
This is for
your records.
Please call w/
questions.
Francie

Input Data

GENERAL OPTIONS

Simulation Method	Replay/Real-Time Mode
Real-Time Concentration	MView Concentration
Synchronize Well Solution	Off
Reservoir Coupling	Linear
Net Present Value	Off
Fluid Loss Model	Constant
Fluid Type Dependent Leakoff	Off
Include Fluid Loss History	Off
Treatment Type	Proppant
Treatment Design	Input
Wellbore Hydraulics Model	Empirical - Virk/Keck/Prandtl
No. of Frac Soln. Iterations	30
Maximum Time Step	1 (min)
Restart Time	0 (min)
Heat Transfer Off, Fluid Temperature:	50 (deg F)

435-637-8570 or 630-
63485
SUPERIOR
WELL SERVICES

Off: 205/556-4542
Fax: 205/556-4545

RECEIVED

JAN 12 2006

DIV. OF OIL, GAS & MINING

FRACTURE OPTIONS

Fracture Geometry
 • Flowback
 Self Similar Closure
 Propagation Parameters
 Fracture Initiation Interval
 Fracture Friction Model
 Wall Roughness
 Tip Effects

Geertsma-deKlerk
 Off
 Off
 No Growth During Shut-in
 Perforated Interval
 Off
 Off
 Off

PROPPANT OPTIONS

Proppant Solution Off
 Proppant Ramp Off
 Proppant Flowback Off
 Perforation Erosion None
 Proppant Transport Methodology Conventional (Link Proppant)
 Proppant Settling Option Empirical
 Wellbore-Proppant Effects None
 Fracture-Proppant Effects None

ROCK PROPERTIES

Zone Name (-)	TVD at Bottom (ft)	MD at Bottom (ft)	Stress Gradient (psi/ft)	Stress (psi)	Young's Modulus (psi)	Poisson's Ratio (-)	Fracture Tough- ness (psi-in ^{1/2} (psi)	Critical Stress	Stress Interpo- lation (-)
Shale	5735	5735	1	5735	6e+06	0.25	1000	0	Off
Sandstone	6170	6170	0.8	4936	5.6e+06	0.28	1000	0	Off
Shale	6500		1.1	7150	6.2e+06	0.25	1000	0	Off

FLUID LOSS DATA

Zone Name (-)	TVD at Bottom (ft)	MD at Bottom (ft)	Leakoff Coef. (ft/min ^{1/2})	Spurt Loss (gal/100 ft ²)
Sandstone	6170	6170	0.001	0

WELLBORE HYDRAULICS DATA

General

Wellbore Volume 10415 (U.S. gal)
 Injection Down Casing

Horizontal Well	Off	
Surface Line Volume	500	(U.S. gal)
Wellbore Volume Reference MD	6170	(ft)
Wellbore Volume Reference TVD	6170	(ft)
Maximum BHTP	10000	(psi)

Deviation

Linear Segments	Off
-----------------	-----

Measured

Depth (ft)	TVD (ft)	Angle (deg)
---------------	-------------	----------------

3900	3900	0
------	------	---

Casing

Relative Pipe Roughness	0
-------------------------	---

Friction Loss Multiplier	1
--------------------------	---

Measured Depth (ft)	Section Length (ft)	OD (in.)	Weight (lbf/ft)	ID (in.)
6170	6170	7	26	6.276

PERFORATION ZONES

	Active	Zone	Top of Perfs TVD (ft)	Bottom of Perfs TVD (ft)	Top of Perfs MD (ft)	Bottom of Perfs MD (ft)	Top of 2-D Frac TV (ft)	Bottom of 2-D Frac TV (ft)
1.	Yes	Sandstone	5735	6170	5735	6170	5600	6170

ZONE DATA

Zone	No. of Multiple Fractures (-)	Stiffness Inter- action (-)	Fluid Loss Inter- action (-)	Pay Zone		Perm. (md)	Perforations	
				From (ft)	To (ft)		Number (-)	Diameter (in.)
1. Sandstone	1	0	0	5735	6170	0.1	346	0.4

INPUT BOTTOMHOLE TREATMENT SCHEDULE

Schedule Type

Bottomhole

Flush Fluid Type

KCL2

Recirculation Volume

0 (U.S. gal)

Stage No. (-)	Slurry Rate (bpm)	Stage Slurry Volume (U.S. gal)	Stage Time (min)	Stage Type (-)	Fluid Type (-)	Prop Type (-)	Prop Damage Factor (-)
1	1	630	15	Flush	KCL1	1234	0
2	2	1260	15	Flush	KCL1	1234	0
3	3	1890	15	Flush	KCL1	1234	0
4	4	2520	15	Flush	KCL1	1234	0
5	5	3150	15	Flush	KCL1	1234	0
6	6	3780	15	Flush	KCL1	1234	0
7	7	4410	15	Flush	KCL1	1234	0
8	8	5040	15	Flush	KCL1	1234	0
9	9	5670	15	Flush	KCL1	1234	0
10	10	6300	15	Flush	KCL1	1234	0
11	11	6930	15	Flush	KCL1	1234	0
12	12	7560	15	Flush	KCL1	1234	0
13	13	8190	15	Flush	KCL1	1234	0
14	14	8820	15	Flush	KCL1	1234	0
15	15	9450	15	Flush	KCL1	1234	0
16	16	10080	15	Flush	KCL1	1234	0

Fluid Type: KCL2 - 2% KCl

Fluid Type: KCL1 - 1% KCl

Output Data

FLUID LEAKOFF OUTPUT

Time (min)	Inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	Wall Shear Rate (1/s)	Reynolds Number (-)
1	1.5133	1.2764	1	1.913e-05	0.91595	1146	24.967
5	1.1667	1.1014	1	1.913e-05	0.91595	908.86	20.853
9	1	0.96526	1	1.913e-05	0.91595	829.75	19.406
13	0.89667	0.87492	1	1.913e-05	0.91595	773.51	18.207
17	0.88667	0.86104	1	1.913e-05	0.91595	733.19	17.371
21.1	0	0.88532	1	1.913e-05	0.91595	9770.4	16.586
24.713	2	1.7395	1	1.913e-05	0.91595	1167.8	27.523

Time (min)	inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	vval Shear Rate (1/s)	Reynolds Number (-)
28.167	1.9733	1.8458	1	1.913e-05	0.91595	1167.4	30.022
32.167	2.09	1.9652	1	1.913e-05	0.91595	1133.1	31.226
36.167	1.8933	1.8579	1	1.913e-05	0.91595	1105.1	31.905
40.167	1.9033	1.8363	1	1.913e-05	0.91595	1068.6	31.647
44.2	0	1.4709	1	1.913e-05	0.91595	14115	29.646
48.2	2.7967	2.4594	1	1.913e-05	0.91595	1759	47.046
52.2	2.9767	2.7317	1	1.913e-05	0.91595	1499	45.341
56.2	2.9867	2.7985	1	1.913e-05	0.91595	1407.6	46.898
60.233	3.0194	2.8661	1	1.913e-05	0.91595	1346.4	47.644
64.267	2.9774	2.8418	1	1.913e-05	0.91595	1297.6	47.965
68.267	1.35	2.1282	1	1.913e-05	0.91595	74203	43.918
70.739	4.1367	3.3436	1	1.913e-05	0.91595	1230.1	46.248
72.736	4.1533	4.4058	1	1.913e-05	0.91595	1193.9	47.917
76.267	4.1533	3.9271	1	1.913e-05	0.91595	1172.5	50.337
80.267	4.1467	3.9338	1	1.913e-05	0.91595	1160.3	52.454
84.267	4.1467	3.9553	1	1.913e-05	0.91595	1147.3	54.118
88.267	2.48	3.5641	1	1.913e-05	0.91595	1481.4	54.817
92.267	0	0	0	0	0	0	0
94.403	3.1533	2.3277	1	1.913e-05	0.91595	288.09	5.9377
95.063	3.1533	2.6459	1	1.913e-05	0.91595	753.94	16.812
96.3	4.76	4.0891	1	1.913e-05	0.91595	1248.9	34.182
99.3	4.74	4.3308	1	1.913e-05	0.91595	1523.5	52.972
103.3	4.73	4.3593	1	1.913e-05	0.91595	1526.4	62.078
107.3	4.7233	4.4166	1	1.913e-05	0.91595	1479.1	66.327
111.3	4.7533	4.4916	1	1.913e-05	0.91595	1436.2	68.805
115.33	4.4355	4.2336	1	1.913e-05	0.91595	1395.3	70.235
119.33	0	0	0	0	0	0	0
123.43	0	0	0	0	0	0	0
127.53	0.12903	0.11144	1	1.913e-05	0.91595	105.11	2.1291
129.53	0.57	0.49994	1	1.913e-05	0.91595	263.94	5.4027
130.97	3.3034	2.6564	1	1.913e-05	0.91595	512.82	11.12
132.15	5.9867	4.9325	1	1.913e-05	0.91595	951.79	24.981
135.53	5.9033	5.4055	1	1.913e-05	0.91595	1415.2	52.226
139.53	5.9167	5.4221	1	1.913e-05	0.91595	1484.8	66.142
143.53	5.9567	5.4948	1	1.913e-05	0.91595	1458.9	73.61
147.53	5.96	5.5973	1	1.913e-05	0.91595	1433.7	78.321
151.53	2.1566	4.7016	1	1.913e-05	0.91595	2476.5	79.026
155.53	0.38	0.32274	1	1.913e-05	0.91595	307.93	6.2687
156.99	2.7323	2.2003	1	1.913e-05	0.91595	716.27	15.646
158.09	6.04	4.9036	1	1.913e-05	0.91595	1217.7	32.741
160.57	7.0133	6.1972	1	1.913e-05	0.91595	1675.4	65.499
164.57	7.0067	6.3801	1	1.913e-05	0.91595	1718.3	85.421
168.57	6.9967	6.4131	1	1.913e-05	0.91595	1650.6	93.986
172.57	7.01	6.5269	1	1.913e-05	0.91595	1586.2	98.764
176.57	7.0067	6.575	1	1.913e-05	0.91595	1532.7	101.81

Time (min)	Inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	vwall Shear Rate (1/s)	Reynolds Number (-)
180.6	0	0	0	0	0	0	0
184.63	0	0	0	0	0	0	0
187.13	0.57	0.50035	1	1.913e-05	0.91595	308.38	6.3201
188.69	5.1033	3.4827	1	1.913e-05	0.91595	429.12	9.0858
189.34	5.1033	4.1295	1	1.913e-05	0.91595	807.64	19.442
191.63	8.15	7.101	1	1.913e-05	0.91595	1466.7	55.064
195.63	8.0933	7.3489	1	1.913e-05	0.91595	1639.2	83.63
199.63	8.1067	7.3349	1	1.913e-05	0.91595	1606.2	96.975
203.63	8.0833	7.4898	1	1.913e-05	0.91595	1559.7	104.68
207.63	8.0767	7.5591	1	1.913e-05	0.91595	1519	109.69
211.63	0	4.0041	1	1.913e-05	0.91595	1.6852e+06	99.069
215.63	0	0	0	0	0	0	0
219.63	0	0	0	0	0	0	0
223.63	0	0	0	0	0	0	0
226.13	9.0833	7.5942	1	1.913e-05	0.91595	2390.4	93.719
229.63	9.0333	7.9791	1	1.913e-05	0.91595	2196.6	126.18
233.63	9.0233	8.176	1	1.913e-05	0.91595	1989.6	135.29
237.63	9.02	8.2713	1	1.913e-05	0.91595	1843.5	139.16
241.63	9.0267	8.3501	1	1.913e-05	0.91595	1735.2	141.31
245.63	0	6.7474	1	1.913e-05	0.91595	20128	129.97
249.67	0	0	0	0	0	0	0
253.7	0	0	0	0	0	0	0
257.7	0	0	0	0	0	0	0
260.7	10.13	8.2091	1	1.913e-05	0.91595	2706.4	121.53
263.7	9.95	8.7472	1	1.913e-05	0.91595	2387.4	146.92
267.7	9.89	8.8921	1	1.913e-05	0.91595	2103	154.26
271.7	9.9	9.0283	1	1.913e-05	0.91595	1919.7	157.13
275.7	9.9567	9.1773	1	1.913e-05	0.91595	1794	158.66
279.7	2.2331	7.941	1	1.913e-05	0.91595	3131.6	153.55
283.73	0	0	0	0	0	0	0
287.77	0	0	0	0	0	0	0
291.8	0	0	0	0	0	0	0
294.14	10.89	8.1714	1	1.913e-05	0.91595	2052.2	62.917
296.8	11.05	9.4658	1	1.913e-05	0.91595	2470.9	141.97
300.8	11.06	9.7903	1	1.913e-05	0.91595	2175.5	162.3
304.8	11.053	9.9893	1	1.913e-05	0.91595	1975.2	168.96
308.8	11.003	10.085	1	1.913e-05	0.91595	1839.2	172.19
312.8	10.987	10.131	1	1.913e-05	0.91595	1736	174.02
316.83	0	7.7129	1	1.913e-05	0.91595	7.5662e+05	153.31
320.9	0	0	0	0	0	0	0
324.93	0	0	0	0	0	0	0
328.93	0	0	0	0	0	0	0
331.45	12.243	9.9227	1	1.913e-05	0.91595	2710.6	141.37
334.93	12.22	10.685	1	1.913e-05	0.91595	2376	176.45
338.93	12.217	10.897	1	1.913e-05	0.91595	2109.3	186.53

Time (min)	inj. Rate (bpm)	Leakoff Rate (bpm)	n Inlet (-)	K Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	vwall Shear Rate (1/s)	Reynolds Number (-)
342.93	12.197	11.045	1	1.913e-05	0.91595	1931.7	190.82
346.93	12.217	11.181	1	1.913e-05	0.91595	1806.1	193.24
351.03	0	8.7486	1	1.913e-05	0.91595	22949	174.15
355.1	0	0	0	0	0	0	0
359.1	0	0	0	0	0	0	0
363.1	0	0	0	0	0	0	0
365.1	12.167	9.8916	1	1.913e-05	0.91595	2604.4	111.64
368.1	12.853	11.022	1	1.913e-05	0.91595	2465	172.21
372.1	12.827	11.333	1	1.913e-05	0.91595	2168.2	189.83
376.1	12.813	11.544	1	1.913e-05	0.91595	1975.2	196.52
380.1	12.817	11.677	1	1.913e-05	0.91595	1840.2	200.04
384.1	5.6133	10.138	1	1.913e-05	0.91595	2401.5	196.51
388.13	0	0	0	0	0	0	0
392.13	0	0	0	0	0	0	0
396.13	0	0	0	0	0	0	0
400.17	6.8966	5.4754	1	1.913e-05	0.91595	3132.9	113.78
402.17	14.05	11.649	1	1.913e-05	0.91595	2845.5	192.42
406.17	14	12.257	1	1.913e-05	0.91595	2373.9	214.53
410.17	14.007	12.463	1	1.913e-05	0.91595	2104.7	220.55
414.17	14.013	12.658	1	1.913e-05	0.91595	1929.7	223.4
418.2	14	12.514	1	2.93e-05	1.0259	1725.9	200.91
422.2	0	8.7238	1	2.93e-05	1.153	36002	154.64
426.2	0	0	0	0	0	0	0
430.27	0	0	0	0	0	0	0
434.27	0	0	0	0	0	0	0
436.79	14.977	11.713	1	2.93e-05	1.4029	2474.8	115.73
440.27	15.093	12.866	1	2.93e-05	1.4029	2092.5	142.96
444.27	15.147	13.199	1	2.93e-05	1.4029	1831.7	151.01
448.27	15.173	13.441	1	2.93e-05	1.4029	1663	154.47
452.27	15.06	13.533	1	2.93e-05	1.4029	1545.3	156.37
456.27	0	11.028	1	2.93e-05	1.4029	3910.2	146.03
460.33	0	0	0	0	0	0	0
464.37	0	0	0	0	0	0	0
468.4	0	0	0	0	0	0	0
472.43	11.01	8.3667	1	2.93e-05	1.4029	3245.3	118.74
475.43	15.817	13.039	1	2.93e-05	1.4029	2378.5	157.67
479.43	15.82	13.718	1	2.93e-05	1.4029	1981	164.16
483.43	15.88	13.959	1	2.93e-05	1.4029	1761.1	166.5
487.43	15.87	14.136	1	2.93e-05	1.4029	1613.6	167.64
491.43	15.9	14.299	1	2.93e-05	1.4029	1506.8	168.37
495.47	0	10.305	1	2.93e-05	1.4029	3.2503e+05	141.98
496.47	0	2.6052	1	2.93e-05	1.4029	3.547e+06	136.31
497.5	0	0	0	0	0	0	0
498.5	0	0	0	0	0	0	0
499.5	0	0	0	0	0	0	0

Time (min)	inj. Rate (bpm)	Leakoff Rate (bpm)	n Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	wall Shear Rate (1/s)	Reynolds Number (-)
500.5	0	0	0	0	0	0	0
501.5	0	0	0	0	0	0	0
502.53	0	0	0	0	0	0	0
503.57	0	0	0	0	0	0	0
504.57	0	0	0	0	0	0	0
505.6	0	0	0	0	0	0	0
506.6	0	0	0	0	0	0	0

MFrac

Three-Dimensional Hydraulic Fracturing Simulator

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2207 Freeport Rd, Suite D, Natrona Heights, PA 15065 USA

MFrac version 5.20.1209

<http://mfrac.com/>

Simulation Date 1/9/2006 5:47:14 PM

Company : Whitmar Exploration
Well: Federal SWD #1
Location: Carbon, Co.
Date: January 9 ,2005

Comments:

Salt Water Disposal Well #1
Water Injection Step Up Test

Input Data

GENERAL OPTIONS

Simulation Method	Replay/Real-Time Mode
Real-Time Concentration	MView Concentration
Synchronize Well Solution	Off
Reservoir Coupling	Linear
Net Present Value	Off
Fluid Loss Model	Constant
Fluid Type Dependent Leakoff	Off
Include Fluid Loss History	Off
Treatment Type	Proppant
Treatment Design	Input
Wellbore Hydraulics Model	Empirical - Virk/Keck/Prandtl
No. of Frac Soln. Iterations	30
Maximum Time Step	1 (min)
Restart Time	0 (min)
Heat Transfer Off, Fluid Temperature:	50 (deg F)

FRACTURE OPTIONS

Fracture Geometry	Geertsma-deKlerk
Flowback	Off
Self Similar Closure	Off
Propagation Parameters	No Growth During Shut-in
Fracture Initiation Interval	Perforated Interval
Fracture Friction Model	Off
Wall Roughness	Off
Tip Effects	Off

PROPPANT OPTIONS

Proppant Solution	Off
Proppant Ramp	Off
Proppant Flowback	Off
Perforation Erosion	None
Proppant Transport Methodology	Conventional (Link Proppant)
Proppant Settling Option	Empirical
Wellbore-Proppant Effects	None
Fracture-Proppant Effects	None

ROCK PROPERTIES

Zone Name (-)	TVD at Bottom (ft)	MD at Bottom (ft)	Stress Gradient (psi/ft)	Stress (psi)	Young's Modulus (psi)	Poisson's Ratio (-)	Fracture Toughness (psi-in ^{1/2} (psi)	Critical Stress	Stress Interpolation (-)
Shale	5735	5735	1	5735	6e+06	0.25	1000	0	Off
Sandstone	6170	6170	0.8	4936	5.6e+06	0.28	1000	0	Off
Shale	6500		1.1	7150	6.2e+06	0.25	1000	0	Off

FLUID LOSS DATA

Zone Name (-)	TVD at Bottom (ft)	MD at Bottom (ft)	Leakoff Coef. (ft/min ^{1/2})	Spurt Loss (gal/100 ft ²)
Sandstone	6170	6170	0.001	0

WELLBORE HYDRAULICS DATA

General

Wellbore Volume	10415	(U.S. gal)
Injection Down	Casing	

Horizontal Well	Off	
Surface Line Volume	500	(U.S. gal)
Wellbore Volume Reference MD	6170	(ft)
Wellbore Volume Reference TVD	6170	(ft)
Maximum BHTP	10000	(psi)

Deviation

Linear Segments	Off
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Measured

Depth (ft)	TVD (ft)	Angle (deg)
---------------	-------------	----------------

3900	3900	0
------	------	---

Casing

Relative Pipe Roughness	0
Friction Loss Multiplier	1

Measured Depth (ft)	Section Length (ft)	OD (in.)	Weight (lbf/ft)	ID (in.)
6170	6170	7	26	6.276

PERFORATION ZONES

Active	Zone	Top of Perfs TVD (ft)	Bottom of Perfs TVD (ft)	Top of Perfs MD (ft)	Bottom of Perfs MD (ft)	Top of 2-D Frac TV (ft)	Bottom of 2-D Frac TV (ft)
1. Yes	Sandstone	5735	6170	5735	6170	5600	6170

ZONE DATA

Zone	No. of Multiple Fractures (-)	Stiffness Inter- action (-)	Fluid Loss Inter- action (-)	Pay Zone		Perm. (md)	Perforations	
				From (ft)	To (ft)		Number (-)	Diameter (in.)
1. Sandstone	1	0	0	5735	6170	0.1	346	0.4

INPUT BOTTOMHOLE TREATMENT SCHEDULE

Schedule Type
 Flush Fluid Type
 Recirculation Volume

Bottomhole
 KCL2
 0 (U.S. gal)

Stage No. (-)	Slurry Rate (bpm)	Stage Slurry Volume (U.S. gal)	Stage Time (min)	Stage Type (-)	Fluid Type (-)	Prop Type (-)	Prop Damage Factor (-)
1	1	630	15	Flush	KCL1	1234	0
2	2	1260	15	Flush	KCL1	1234	0
3	3	1890	15	Flush	KCL1	1234	0
4	4	2520	15	Flush	KCL1	1234	0
5	5	3150	15	Flush	KCL1	1234	0
6	6	3780	15	Flush	KCL1	1234	0
7	7	4410	15	Flush	KCL1	1234	0
8	8	5040	15	Flush	KCL1	1234	0
9	9	5670	15	Flush	KCL1	1234	0
10	10	6300	15	Flush	KCL1	1234	0
11	11	6930	15	Flush	KCL1	1234	0
12	12	7560	15	Flush	KCL1	1234	0
13	13	8190	15	Flush	KCL1	1234	0
14	14	8820	15	Flush	KCL1	1234	0
15	15	9450	15	Flush	KCL1	1234	0
16	16	10080	15	Flush	KCL1	1234	0

Fluid Type: KCL2 - 2% KCl

Fluid Type: KCL1 - 1% KCl

Output Data

FLUID LEAKOFF OUTPUT

Time (min)	Inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	Wall Shear Rate (1/s)	Reynolds Number (-)
1	1.5133	1.2764	1	1.913e-05	0.91595	1146	24.967
5	1.1667	1.1014	1	1.913e-05	0.91595	908.86	20.853
9	1	0.96526	1	1.913e-05	0.91595	829.75	19.406
13	0.89667	0.87492	1	1.913e-05	0.91595	773.51	18.207
17	0.88667	0.86104	1	1.913e-05	0.91595	733.19	17.371
21.1	0	0.88532	1	1.913e-05	0.91595	9770.4	16.586
24.713	2	1.7395	1	1.913e-05	0.91595	1167.8	27.523

Time (min)	Inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	Wall Shear Rate (1/s)	Reynolds Number (-)
28.167	1.9733	1.8458	1	1.913e-05	0.91595	1167.4	30.022
32.167	2.09	1.9652	1	1.913e-05	0.91595	1133.1	31.226
36.167	1.8933	1.8579	1	1.913e-05	0.91595	1105.1	31.905
40.167	1.9033	1.8363	1	1.913e-05	0.91595	1068.6	31.647
44.2	0	1.4709	1	1.913e-05	0.91595	14115	29.646
48.2	2.7967	2.4594	1	1.913e-05	0.91595	1759	47.046
52.2	2.9767	2.7317	1	1.913e-05	0.91595	1499	45.341
56.2	2.9867	2.7985	1	1.913e-05	0.91595	1407.6	46.898
60.233	3.0194	2.8661	1	1.913e-05	0.91595	1346.4	47.644
64.267	2.9774	2.8418	1	1.913e-05	0.91595	1297.6	47.965
68.267	1.35	2.1282	1	1.913e-05	0.91595	74203	43.918
70.739	4.1367	3.3436	1	1.913e-05	0.91595	1230.1	46.248
72.736	4.1533	4.4058	1	1.913e-05	0.91595	1193.9	47.917
76.267	4.1533	3.9271	1	1.913e-05	0.91595	1172.5	50.337
80.267	4.1467	3.9338	1	1.913e-05	0.91595	1160.3	52.454
84.267	4.1467	3.9553	1	1.913e-05	0.91595	1147.3	54.118
88.267	2.48	3.5641	1	1.913e-05	0.91595	1481.4	54.817
92.267	0	0	0	0	0	0	0
94.403	3.1533	2.3277	1	1.913e-05	0.91595	288.09	5.9377
95.063	3.1533	2.6459	1	1.913e-05	0.91595	753.94	16.812
96.3	4.76	4.0891	1	1.913e-05	0.91595	1248.9	34.182
99.3	4.74	4.3308	1	1.913e-05	0.91595	1523.5	52.972
103.3	4.73	4.3593	1	1.913e-05	0.91595	1526.4	62.078
107.3	4.7233	4.4166	1	1.913e-05	0.91595	1479.1	66.327
111.3	4.7533	4.4916	1	1.913e-05	0.91595	1436.2	68.805
115.33	4.4355	4.2336	1	1.913e-05	0.91595	1395.3	70.235
119.33	0	0	0	0	0	0	0
123.43	0	0	0	0	0	0	0
127.53	0.12903	0.11144	1	1.913e-05	0.91595	105.11	2.1291
129.53	0.57	0.49994	1	1.913e-05	0.91595	263.94	5.4027
130.97	3.3034	2.6564	1	1.913e-05	0.91595	512.82	11.12
132.15	5.9867	4.9325	1	1.913e-05	0.91595	951.79	24.981
135.53	5.9033	5.4055	1	1.913e-05	0.91595	1415.2	52.226
139.53	5.9167	5.4221	1	1.913e-05	0.91595	1484.8	66.142
143.53	5.9567	5.4948	1	1.913e-05	0.91595	1458.9	73.61
147.53	5.96	5.5973	1	1.913e-05	0.91595	1433.7	78.321
151.53	2.1566	4.7016	1	1.913e-05	0.91595	2476.5	79.026
155.53	0.38	0.32274	1	1.913e-05	0.91595	307.93	6.2687
156.99	2.7323	2.2003	1	1.913e-05	0.91595	716.27	15.646
158.09	6.04	4.9036	1	1.913e-05	0.91595	1217.7	32.741
160.57	7.0133	6.1972	1	1.913e-05	0.91595	1675.4	65.499
164.57	7.0067	6.3801	1	1.913e-05	0.91595	1718.3	85.421
168.57	6.9967	6.4131	1	1.913e-05	0.91595	1650.6	93.986
172.57	7.01	6.5269	1	1.913e-05	0.91595	1586.2	98.764
176.57	7.0067	6.575	1	1.913e-05	0.91595	1532.7	101.81

Time (min)	Inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	Wall Shear Rate (1/s)	Reynolds Number (-)
180.6	0	0	0	0	0	0	0
184.63	0	0	0	0	0	0	0
187.13	0.57	0.50035	1	1.913e-05	0.91595	308.38	6.3201
188.69	5.1033	3.4827	1	1.913e-05	0.91595	429.12	9.0858
189.34	5.1033	4.1295	1	1.913e-05	0.91595	807.64	19.442
191.63	8.15	7.101	1	1.913e-05	0.91595	1466.7	55.064
195.63	8.0933	7.3489	1	1.913e-05	0.91595	1639.2	83.63
199.63	8.1067	7.3349	1	1.913e-05	0.91595	1606.2	96.975
203.63	8.0833	7.4898	1	1.913e-05	0.91595	1559.7	104.68
207.63	8.0767	7.5591	1	1.913e-05	0.91595	1519	109.69
211.63	0	4.0041	1	1.913e-05	0.91595	1.6852e+06	99.069
215.63	0	0	0	0	0	0	0
219.63	0	0	0	0	0	0	0
223.63	0	0	0	0	0	0	0
226.13	9.0833	7.5942	1	1.913e-05	0.91595	2390.4	93.719
229.63	9.0333	7.9791	1	1.913e-05	0.91595	2196.6	126.18
233.63	9.0233	8.176	1	1.913e-05	0.91595	1989.6	135.29
237.63	9.02	8.2713	1	1.913e-05	0.91595	1843.5	139.16
241.63	9.0267	8.3501	1	1.913e-05	0.91595	1735.2	141.31
245.63	0	6.7474	1	1.913e-05	0.91595	20128	129.97
249.67	0	0	0	0	0	0	0
253.7	0	0	0	0	0	0	0
257.7	0	0	0	0	0	0	0
260.7	10.13	8.2091	1	1.913e-05	0.91595	2706.4	121.53
263.7	9.95	8.7472	1	1.913e-05	0.91595	2387.4	146.92
267.7	9.89	8.8921	1	1.913e-05	0.91595	2103	154.26
271.7	9.9	9.0283	1	1.913e-05	0.91595	1919.7	157.13
275.7	9.9567	9.1773	1	1.913e-05	0.91595	1794	158.66
279.7	2.2331	7.941	1	1.913e-05	0.91595	3131.6	153.55
283.73	0	0	0	0	0	0	0
287.77	0	0	0	0	0	0	0
291.8	0	0	0	0	0	0	0
294.14	10.89	8.1714	1	1.913e-05	0.91595	2052.2	62.917
296.8	11.05	9.4658	1	1.913e-05	0.91595	2470.9	141.97
300.8	11.06	9.7903	1	1.913e-05	0.91595	2175.5	162.3
304.8	11.053	9.9893	1	1.913e-05	0.91595	1975.2	168.96
308.8	11.003	10.085	1	1.913e-05	0.91595	1839.2	172.19
312.8	10.987	10.131	1	1.913e-05	0.91595	1736	174.02
316.83	0	7.7129	1	1.913e-05	0.91595	7.5662e+05	153.31
320.9	0	0	0	0	0	0	0
324.93	0	0	0	0	0	0	0
328.93	0	0	0	0	0	0	0
331.45	12.243	9.9227	1	1.913e-05	0.91595	2710.6	141.37
334.93	12.22	10.685	1	1.913e-05	0.91595	2376	176.45
338.93	12.217	10.897	1	1.913e-05	0.91595	2109.3	186.53

Time (min)	Inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	Wall Shear Rate (1/s)	Reynolds Number (-)
342.93	12.197	11.045	1	1.913e-05	0.91595	1931.7	190.82
346.93	12.217	11.181	1	1.913e-05	0.91595	1806.1	193.24
351.03	0	8.7486	1	1.913e-05	0.91595	22949	174.15
355.1	0	0	0	0	0	0	0
359.1	0	0	0	0	0	0	0
363.1	0	0	0	0	0	0	0
365.1	12.167	9.8916	1	1.913e-05	0.91595	2604.4	111.64
368.1	12.853	11.022	1	1.913e-05	0.91595	2465	172.21
372.1	12.827	11.333	1	1.913e-05	0.91595	2168.2	189.83
376.1	12.813	11.544	1	1.913e-05	0.91595	1975.2	196.52
380.1	12.817	11.677	1	1.913e-05	0.91595	1840.2	200.04
384.1	5.6133	10.138	1	1.913e-05	0.91595	2401.5	196.51
388.13	0	0	0	0	0	0	0
392.13	0	0	0	0	0	0	0
396.13	0	0	0	0	0	0	0
400.17	6.8966	5.4754	1	1.913e-05	0.91595	3132.9	113.78
402.17	14.05	11.649	1	1.913e-05	0.91595	2845.5	192.42
406.17	14	12.257	1	1.913e-05	0.91595	2373.9	214.53
410.17	14.007	12.463	1	1.913e-05	0.91595	2104.7	220.55
414.17	14.013	12.658	1	1.913e-05	0.91595	1929.7	223.4
418.2	14	12.514	1	2.93e-05	1.0259	1725.9	200.91
422.2	0	8.7238	1	2.93e-05	1.153	36002	154.64
426.2	0	0	0	0	0	0	0
430.27	0	0	0	0	0	0	0
434.27	0	0	0	0	0	0	0
436.79	14.977	11.713	1	2.93e-05	1.4029	2474.8	115.73
440.27	15.093	12.866	1	2.93e-05	1.4029	2092.5	142.96
444.27	15.147	13.199	1	2.93e-05	1.4029	1831.7	151.01
448.27	15.173	13.441	1	2.93e-05	1.4029	1663	154.47
452.27	15.06	13.533	1	2.93e-05	1.4029	1545.3	156.37
456.27	0	11.028	1	2.93e-05	1.4029	3910.2	146.03
460.33	0	0	0	0	0	0	0
464.37	0	0	0	0	0	0	0
468.4	0	0	0	0	0	0	0
472.43	11.01	8.3667	1	2.93e-05	1.4029	3245.3	118.74
475.43	15.817	13.039	1	2.93e-05	1.4029	2378.5	157.67
479.43	15.82	13.718	1	2.93e-05	1.4029	1981	164.16
483.43	15.88	13.959	1	2.93e-05	1.4029	1761.1	166.5
487.43	15.87	14.136	1	2.93e-05	1.4029	1613.6	167.64
491.43	15.9	14.299	1	2.93e-05	1.4029	1506.8	168.37
495.47	0	10.305	1	2.93e-05	1.4029	3.2503e+05	141.98
496.47	0	2.6052	1	2.93e-05	1.4029	3.547e+06	136.31
497.5	0	0	0	0	0	0	0
498.5	0	0	0	0	0	0	0
499.5	0	0	0	0	0	0	0

Time (min)	Inj. Rate (bpm)	Leakoff Rate (bpm)	n' Inlet (-)	K' Inlet (lbf-s^n'/ft^2)	Apparent Viscosity (cp)	Wall Shear Rate (1/s)	Reynolds Number (-)
500.5	0	0	0	0	0	0	0
501.5	0	0	0	0	0	0	0
502.53	0	0	0	0	0	0	0
503.57	0	0	0	0	0	0	0
504.57	0	0	0	0	0	0	0
505.6	0	0	0	0	0	0	0
506.6	0	0	0	0	0	0	0

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, CO 80202-3908
(303) 991-9400
Fax (303) 991-9401

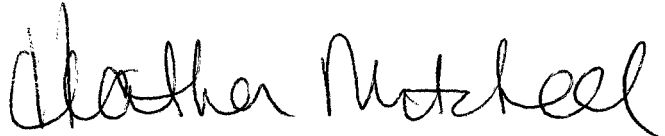
January 12, 2006

Attention: Chris Kierst, Senior Petroleum Specialist
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Mr. Kierst:

Please find the enclosed Test Data Results and Maps for the Salt Water Disposal Well. If you have any questions regarding this matter, please feel free to contact me at 303-991-9400 ext. 100

Sincerely,

A handwritten signature in black ink that reads "Heather Mitchell". The signature is written in a cursive, flowing style.

Heather Mitchell

RECEIVED
JAN 16 2006
DIV. OF OIL, GAS & MINING

WHITMAR SWD #1
INJECTION TEST 1-9-06

Time	BPM	Press.	ISIP	5 Min.	10 Min.	15 Min.	Bbls
9:05-9:26	1 Bpm@20 min	10	10	2	0	0	
9:28-9:48	2 Bpm@20 min	39	34	3	0	0	2880
9:51-10:11	3 Bpm@20 min	329	181	1 ½	0	0	60bbl 4320
10:13-0:33	4 Bpm@20 min	510	461	10	6	0	80 bbl 5760
10:40-1:00	5 Bpm@20 min	562	444	65	25	14	100bbl7200
11:16-1:36	6 Bpm @20 min	450	312	10	0	0	120bl8640
11:42-2:02	7 Bpm @20 min	505	397	74	15	11	140bbl10080
12:14-2:34	8 Bpm @20 min	667	543	237	103	25	160bbl11520
12:49-1:09	9 Bpm @20 min	684	594	343	197	113	180bbl12960
1:24-1:44	10 Bpm@20min	782	631	354	249	161	200bbl14400
1:56-2:19	11 Bpm @20 min	818	650	395	263	180	220bbl15840
2:34-2:54	12 Bpm @20 min	828	661	404	286	206	240bbl17280
3:09-3:29	13 Bpm @20 min	828	664	438	303	215	260bbl18720
3:45-4:04	14 Bpm @20 min	908	787	445	322	235	280bbl20160
4:20-4:40	15 Bpm @20 min	934	756	440	328	248	300bbl21600
4:56-5:17	16 Bpm @20 min	974	754	462	346	266	320bbl23040

RECEIVED
JAN 10 2006
DIV. OF OIL, GAS & MINING

Company: Whitmar Exploration Company

Lease: SWD #1

Formation: Sandstone



Injection Test

155° F

Ant. Pump Date: Jan 9, 2006

Stage	Fluid Schedule	Volume (gals)	Cumulative Volume (gals)				Slurry Volume (bbls)	Rate (bpm)	Stage Time (h:min:sec)	Total Time (h:min:sec)	ISIP	5 min	10 min	15 min	Ave. Rate (bpm)	Ave. PSI (psi)	Stage
1	Fresh Water									6:27:37							1
2	Fresh Water	1,680	1,680				40	1	0:40:00	6:27:37	5				1.00	10	2
3	Fresh Water	2,520	4,200				60	2	0:30:00	5:47:37	34	5			2.00	25	3
4	Fresh Water	3,360	7,560				80	3	0:26:40	5:17:37	181	5			3.00	305	4
5	Fresh Water	4,200	11,760				100	4	0:25:00	4:50:57	461	10			4.00	504	5
6	Fresh Water	5,040	16,800				120	5	0:24:00	4:25:57	444	65	25	14	5.00	532	6
7	Fresh Water	5,880	22,680				140	6	0:23:20	4:01:57	312	10			6.00	433	7
8	Fresh Water	6,720	29,400				160	7	0:22:51	3:38:37	397	74	15	11	7.00	495	8
9	Fresh Water	7,560	36,960				180	8	0:22:30	3:15:45	543	237	103	25	8.00	623	9
10	Fresh Water	8,400	45,360				200	9	0:22:13	2:53:15	594	343	197	113	9.00	675	10
11	Fresh Water	9,240	54,600				220	10	0:22:00	2:31:02	631	354	249	161	10.00	756	11
12	Fresh Water	10,080	64,680				240	11	0:21:49	2:09:02	650	395	263	180	11.00	798	12
13	Fresh Water	10,920	75,600				260	12	0:21:40	1:47:13	661	404	286	206	12.00	811	13
14	Fresh Water	11,760	87,360				280	13	0:21:32	1:25:33	664	438	303	215	13.00	812	14
15	Fresh Water	12,600	99,960				300	14	0:21:26	1:04:01	787	445	322	235	14.00	897	15
16	Fresh Water	13,440	113,400				320	15	0:21:20	0:42:35	756	440	328	254	15.00	923	16
17	Fresh Water	14,280	127,680				340	16	0:21:15	0:21:15	754	462	346	266	16.00	966.00	17
Totals		127,680					3,040		6:27:37		492.1	230.4	203.1	140.0	8.5	597.8	
Callsheet Totals for Materials on Location - 25% Excess																	
Percent Pad:	3.29%						TBG Size	TBG Weight		Pipe Friction		ISIP	5 min	10 min	15 min	Ave. Rate	Ave. PSI
Pad + SLF:	22,680						7	17		500		615	288	254	175	11	747.265625
Pad + SLF + Flush:	29,400																

Reservoir Pressure: 2,577 psi Press Gradient: 0.433 psi/ft
 BHTP: 4,167 psi Temp Gradient: 1.60 ° F/100 ft
 Frac Gradient: 0.7 psi/ft Treating Press: 2194 psi
 Density: 8.38 lb/gal

Mid Perf:	5952.5	feet	Gross Feet
Number of Perfs:	346		435
Perf Diameter:	0.4	inches	Net Feet
Perf Friction:	120	psi	435

Perf Zone #1 5735 to 6170 346 holes

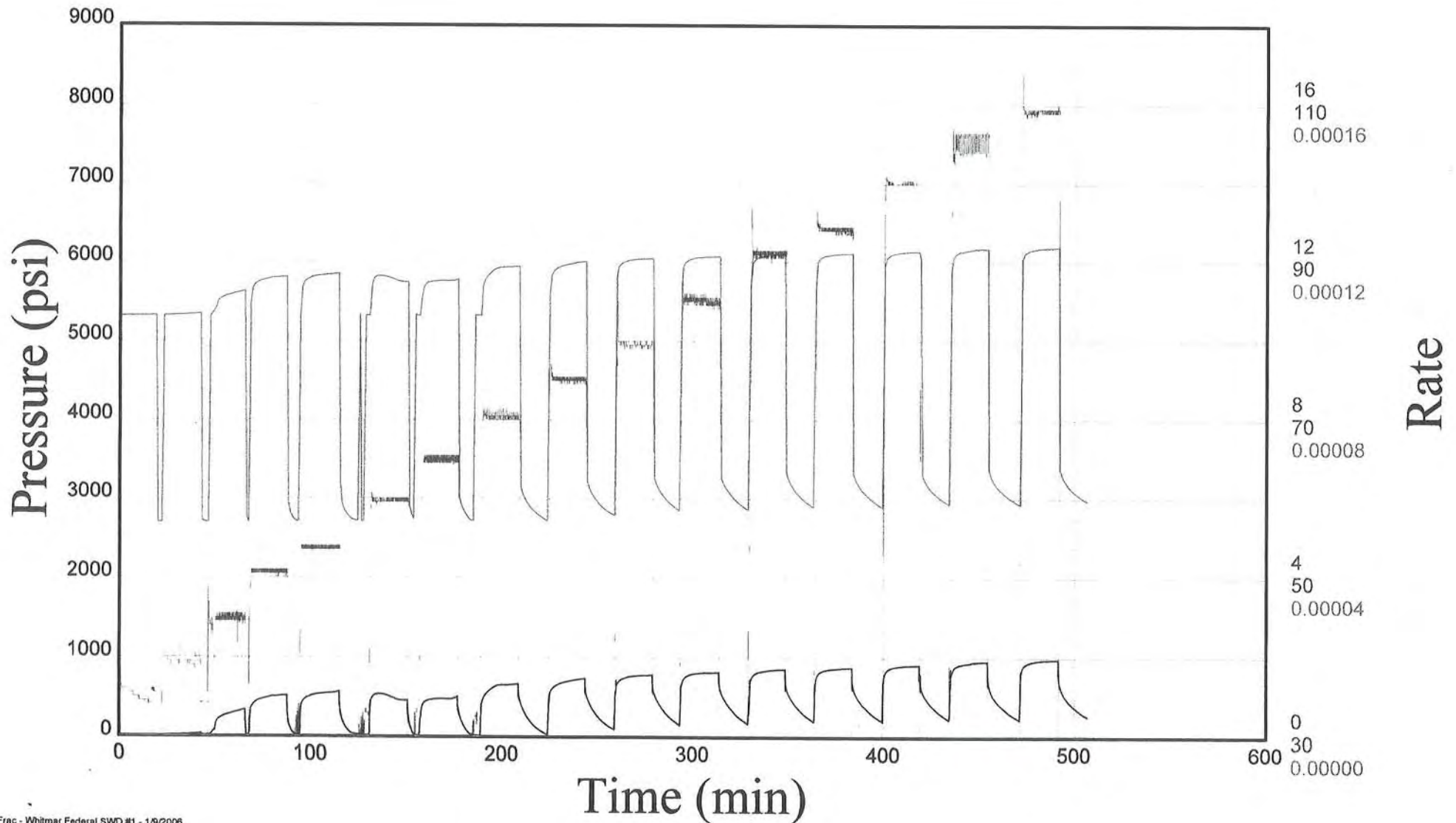
1 % KCL

BH Calc. & Surface Pressure

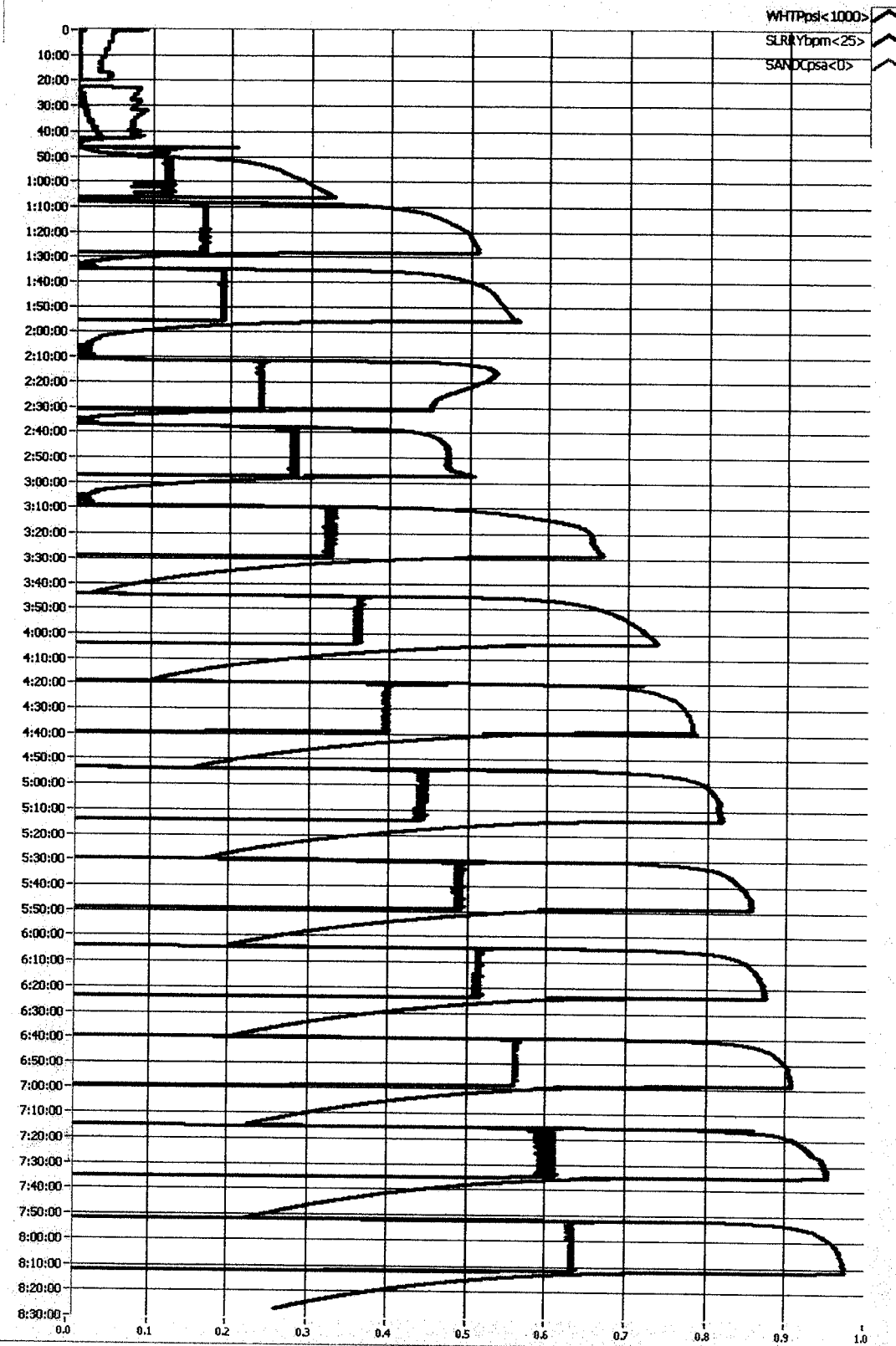
— Measured Surface Pres. (psi)

— Calc BHTP from Surface Pressure (psi)

— Measured BH Rate (bpm)



Invoice	:246	Stage	:1 of 1
Date	:Mon 01/09/2006	Start Time	:08:45:27 (08:45 AM)
Customer	:WHITMAR	Lease	:SWD#1



Customer :WHITMAR

Lease :SWD#1

Invoice	:246	Stage	:1 of 1
Date	:Mon 01/09/2006	Start Time	:08:45:27 (08:45 AM)
Customer	:WHITMAR	Lease	:SWD#1
State	:UTAH	County	:CARBON COUNTY
Engineer	:BEN DAVIS	Comments	:
Primary	: 5-1/2; J-55 ; 15.50# - NEW	Secondary	:NONE -
Formation	:SAND	Job Type	:TEST INJECTION
Treat Vol	:70000 GAL	Flush Vol	:1000 GAL
Top Int	:5735 FEET	Bottom Int	:6170 FEET
Notch/Perf	:346 EACH	Comments	:WELL SERVICES

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 566 *** AVERAGE RATE: 8.5 *** AVERAGE HHP: 118 *** PTS USED: 63

CALCULATED SHUT IN: ISIP *** 5
CALCULATED SHUT IN: ISIP *** 5
CALCULATED SHUT IN: SIP 5 *** 4
CALCULATED SHUT IN: SIP 10 *** 4
CALCULATED SHUT IN: ISIP *** 27
CALCULATED SHUT IN: SIP 5 *** 5
CALCULATED SHUT IN: ISIP *** 104
CALCULATED SHUT IN: SIP 5 *** 7
CALCULATED SHUT IN: SIP 5 *** 7
CALCULATED SHUT IN: ISIP *** 302
CALCULATED SHUT IN: ISIP *** 297
CALCULATED SHUT IN: SIP 5 *** 10
CALCULATED SHUT IN: SIP 5 *** 9
CALCULATED SHUT IN: ISIP *** 367
CALCULATED SHUT IN: SIP 5 *** 66
CALCULATED SHUT IN: SIP 10 *** 22
CALCULATED SHUT IN: SIP 15 *** 12
CALCULATED SHUT IN: ISIP *** 264
CALCULATED SHUT IN: SIP 5 *** 10
CALCULATED SHUT IN: SIP 10 *** 6
CALCULATED SHUT IN: ISIP *** 351
CALCULATED SHUT IN: SIP 5 *** 74
CALCULATED SHUT IN: SIP 5 *** 73
CALCULATED SHUT IN: SIP 10 *** 14
CALCULATED SHUT IN: SIP 15 *** 7
CALCULATED SHUT IN: ISIP *** 514
CALCULATED SHUT IN: SIP 5 *** 237
CALCULATED SHUT IN: SIP 10 *** 102
CALCULATED SHUT IN: SIP 10 *** 102
CALCULATED SHUT IN: SIP 15 *** 30
CALCULATED SHUT IN: ISIP *** 574
CALCULATED SHUT IN: SIP 5 *** 343
CALCULATED SHUT IN: SIP 10 *** 198
CALCULATED SHUT IN: SIP 15 *** 111
CALCULATED SHUT IN: ISIP *** 605
CALCULATED SHUT IN: SIP 5 *** 354
CALCULATED SHUT IN: SIP 5 *** 353
CALCULATED SHUT IN: SIP 10 *** 248
CALCULATED SHUT IN: SIP 15 *** 161
CALCULATED SHUT IN: ISIP *** 625
CALCULATED SHUT IN: SIP 5 *** 396
CALCULATED SHUT IN: SIP 10 *** 263
CALCULATED SHUT IN: SIP 15 *** 180
CALCULATED SHUT IN: ISIP *** 642

Customer :WHITMAR

Lease :SWD#1

CALCULATED SHUT IN: ISIP *** 640
 CALCULATED SHUT IN: SIP 5 *** 404
 CALCULATED SHUT IN: SIP 5 *** 288
 CALCULATED SHUT IN: SIP 10 *** 286
 CALCULATED SHUT IN: SIP 15 *** 207
 CALCULATED SHUT IN: ISIP *** 655
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 5 *** 444
 CALCULATED SHUT IN: SIP 5 *** 440
 CALCULATED SHUT IN: SIP 10 *** 303
 CALCULATED SHUT IN: SIP 15 *** 216
 CALCULATED SHUT IN: ISIP *** Error
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 10 *** 323
 CALCULATED SHUT IN: SIP 15 *** 235
 CALCULATED SHUT IN: ISIP *** 687
 CALCULATED SHUT IN: SIP 5 *** 438
 CALCULATED SHUT IN: SIP 10 *** 328
 CALCULATED SHUT IN: SIP 15 *** 248
 CALCULATED SHUT IN: SIP 15 *** 247
 CALCULATED SHUT IN: ISIP *** 700
 CALCULATED SHUT IN: SIP 5 *** 462
 CALCULATED SHUT IN: SIP 10 *** 345
 CALCULATED SHUT IN: SIP 10 *** 342
 CALCULATED SHUT IN: SIP 15 *** 267

LOGGED DATA

	Comment	WHTPsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
09:05:10	PAUSED	10	2.0	2	2
09:05:26	Pmp H2O	10	1.8	25	25
09:12:20	Chk R&P	5	1.1	372	372
09:20:40	Chk R&P	5	0.8	699	699
09:24:16	Chk R&P	10	1.1	856	856
09:25:12	ISIP	5	0.0	895	895
09:25:14	ISIP	5	0.0	895	895
09:26:14	SIP 5	5	0.0	895	895
09:26:24	SIP 10	5	0.0	895	895
09:27:34	Pmp H2O	0	0.0	895	895
09:28:22	Chk R&P	10	2.1	944	944
09:28:24	Chk R&P	10	2.1	947	947
09:29:18	ZEROSUB	10	2.0	1025	1025
09:29:20	ZEROSUB	10	2.0	1	1028
09:37:54	Chk R&P	15	2.2	717	1743
09:41:04	Chk R&P	25	1.9	985	2011
09:47:04	Chk R&P	34	2.1	1457	2483
09:48:06	ISIP	37	0.0	1536	2562
09:51:12	SIP 5	5	0.0	1536	2562
09:51:30	Pmp H2O	25	3.9	1553	2579
09:52:26	Chk R&P	19	2.9	1662	2688
09:55:32	Chk R&P	131	3.0	1995	3021
10:01:10	Chk R&P	265	3.1	2700	3727
10:05:24	Chk R&P	295	3.0	3231	4257
10:08:46	Chk R&P	316	3.1	3645	4671
10:11:14	ISIP	166	0.0	3934	4960

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
10:12:38	SIP 5	5	0.5	3934	4960
10:12:40	SIP 5	5	0.0	3935	4961
10:12:50	Pmp H2O	5	0.4	3936	4963
10:14:18	ZEROSUB	360	4.1	1	5151
10:14:20	Chk R&P	362	4.2	6	5157
10:20:00	Chk R&P	466	4.1	994	6144
10:22:58	Chk R&P	485	4.2	1511	6661
10:33:08	ISIP	458	0.0	3268	8418
10:33:10	ISIP	327	0.0	3268	8418
10:33:46	ZEROSUB	196	0.0	0	8418
10:38:12	SIP 5	10	0.0	3	8421
10:38:14	SIP 5	5	0.0	3	8421
10:39:52	Pmp H2O	93	2.0	35	8454
10:40:24	Chk R&P	358	4.8	124	8542
10:46:26	Chk R&P	515	4.7	1324	9743
11:00:38	ISIP	396	0.0	4115	12533
11:03:08	ZEROSUB	144	0.0	0	12533
11:05:34	SIP 5	65	0.0	0	12533
11:10:30	SIP 10	20	0.0	0	12533
11:15:24	SIP 15	14	0.6	57	12590
11:15:56	Pmp H2O	10	0.6	70	12603
11:17:20	Pmp H2O	479	6.0	352	12885
11:17:32	Chk R&P	485	6.0	402	12935
11:30:40	Chk R&P	464	6.0	3674	16207
11:30:42	Chk R&P	465	6.0	3683	16216
11:35:40	Chk R&P	452	6.0	4926	17460
11:36:18	ISIP	311	0.0	5038	17571
11:41:02	SIP 5	10	0.6	5062	17595
11:41:18	ZEROSUB	10	0.7	0	17603
11:41:40	SIP 10	10	0.8	11	17614
11:42:20	Pmp H2O	83	2.7	49	17652
11:42:44	Pmp H2O	229	4.8	123	17726
11:44:02	Chk R&P	404	7.0	460	18063
11:46:06	Chk R&P	449	6.9	1069	18672
11:48:54	Chk R&P	465	6.9	1892	19495
11:53:04	Chk R&P	475	7.1	3117	20720
11:59:02	Chk R&P	474	6.9	4872	22475
12:02:20	ISIP	406	0.0	5796	23399
12:07:06	SIP 5	74	0.0	5796	23399
12:07:08	SIP 5	73	0.0	5796	23399
12:11:56	SIP 10	10	0.5	5823	23426
12:13:36	SIP 15	5	0.7	5867	23470
12:13:58	Pmp H2O	20	1.0	5879	23482
12:14:38	Pmp H2O	361	7.7	6017	23620
12:15:00	Chk R&P	434	8.1	6142	23745
12:22:18	Chk R&P	642	8.0	8629	26232
12:27:58	Chk R&P	656	8.1	10556	28159
12:33:46	Chk R&P	667	8.2	12527	30130
12:34:08	ISIP	549	0.0	12601	30204
12:38:58	SIP 5	236	0.0	12601	30204
12:44:14	SIP 10	103	0.0	12601	30204

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
12:44:16	SIP 10	102	0.0	12601	30204
12:49:10	SIP 15	28	0.0	12601	30204
12:49:36	Pmp H2O	98	2.0	12610	30213
12:50:54	Chk R&P	573	9.1	13027	30630
12:50:58	ZEROSUB	576	9.0	6	30654
12:54:42	Chk R&P	662	9.1	1426	32075
13:01:16	Chk R&P	708	9.1	3914	34563
13:01:18	Chk R&P	709	9.1	3928	34576
13:08:44	Chk R&P	737	9.1	6741	37390
13:09:08	ISIP	595	0.0	6834	37483
13:13:04	SIP 5	342	0.0	6834	37483
13:18:02	SIP 10	197	0.0	6834	37483
13:23:06	SIP 15	112	0.0	6834	37482
13:24:14	Pmp H2O	122	1.9	6837	37485
13:24:50	Chk R&P	536	9.5	6993	37642
13:29:22	Chk R&P	742	9.9	8890	39539
13:37:38	Chk R&P	777	9.9	12330	42979
13:43:06	Chk R&P	781	10.0	14602	45251
13:43:08	Chk R&P	782	9.9	14614	45263
13:44:18	ISIP	660	0.0	15033	45682
13:49:24	SIP 5	354	0.0	15033	45682
13:49:26	SIP 5	353	0.0	15033	45682
13:53:20	SIP 10	248	0.0	15033	45682
13:58:16	SIP 15	161	0.0	15033	45682
13:58:40	Pmp H2O	156	1.6	15033	45682
13:58:42	Pmp H2O	186	1.2	15035	45684
13:59:32	Chk R&P	662	10.9	15325	45974
14:02:16	Chk R&P	773	11.0	16594	47243
14:09:12	Chk R&P	811	11.1	19814	50463
14:18:48	Chk R&P	816	11.1	24253	54902
14:19:18	ISIP	650	0.0	24408	55056
14:24:02	SIP 5	395	0.0	24407	55056
14:29:04	SIP 10	263	0.0	24407	55056
14:33:52	SIP 15	180	0.0	24407	55056
14:34:14	Pmp H2O	174	0.0	24407	55056
14:36:10	Chk R&P	744	12.3	25054	55703
14:36:18	ZEROSUB	753	12.1	5	55772
14:39:12	Chk R&P	816	12.2	1496	57263
14:42:42	Chk R&P	833	12.3	3293	59061
14:52:40	Chk R&P	856	12.2	8408	64175
14:54:08	ISIP	669	0.0	9081	64848
14:54:10	ISIP	682	0.0	9081	64848
14:59:10	SIP 5	403	0.0	9081	64848
15:03:48	SIP 5	288	0.0	9081	64848
15:03:54	SIP 10	285	0.0	9081	64848
15:08:30	SIP 15	206	0.0	9081	64848
15:08:56	Pmp H2O	230	1.1	9082	64849
15:09:48	Chk R&P	708	13.1	9370	65137
15:28:16	Chk R&P	876	12.7	19324	75092
15:28:52	ISIP	697	0.0	19590	75358
15:33:02	SIP 5	444	0.0	19590	75358

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
15:33:04	SIP 5	444	0.0	19590	75358
15:33:12	SIP 5	439	0.0	19590	75358
15:38:44	SIP 10	303	0.0	19590	75358
15:43:54	SIP 15	215	0.0	19590	75358
15:44:12	Pmp H2O	210	0.0	19590	75358
15:44:20	ZEROSUB	210	0.0	0	75358
15:45:44	Chk R&P	788	14.0	496	75853
15:50:18	Chk R&P	882	14.0	3190	78548
15:50:28	Chk R&P	884	14.0	3287	78645
16:03:22	Chk R&P	907	13.9	10883	86240
16:04:06	ISIP	767	7.4	11288	86646
16:08:48	SIP 5	444	0.0	11426	86784
16:13:48	SIP 10	322	0.0	11426	86784
16:16:22	ZEROSUB	275	0.0	0	86784
16:19:00	SIP 15	235	0.0	0	86784
16:19:30	Pmp H2O	229	0.0	0	86784
16:20:08	Pmp H2O	410	5.2	45	86828
16:22:00	Chk R&P	866	15.1	1132	87916
16:23:16	Chk R&P	894	14.8	1935	88719
16:32:56	Chk R&P	948	14.9	8069	94852
16:39:36	Chk R&P	955	15.3	12304	99088
16:40:00	ISIP	751	2.5	12507	99290
16:45:08	SIP 5	437	0.0	12508	99292
16:50:02	SIP 10	327	0.0	12508	99292
16:54:58	SIP 15	248	0.0	12508	99292
16:55:00	SIP 15	247	0.0	12508	99292
16:56:36	Pmp H2O	225	0.0	12508	99292
16:56:42	ZEROSUB	225	0.0	12508	99292
16:57:48	Chk R&P	852	16.0	562	99854
17:04:46	Chk R&P	956	15.8	5190	104482
17:14:34	Chk R&P	974	15.8	11721	111013
17:15:46	Chk R&P	975	15.9	12521	111813
17:17:04	ISIP	723	0.0	13288	112580
17:21:46	SIP 5	461	0.0	13288	112580
17:26:50	SIP 10	346	0.0	13288	112580
17:27:00	SIP 10	342	0.0	13288	112580
17:31:46	SIP 15	266	0.0	13288	112580

POST JOB COMMENTS

Safety Meeting Conducted

Thank you for Using Superior Well Services

END OF REPORT

SUPERIOR WELL SERVICES

Prepared for
 Mr. Mark Weigt Ticket #246
 Whitmar Exploration Company 1/9/2006
 555 17th Street Suite 880 Denver, Co. 80202
 303-991-9400
 303-991-9401



Prepared by
 John Brown/Vernon Fitchette
 Superior Well Services, Ltd.
 PO Box 1094, Vernal, UT 84078
 435-781-0266 - Office
 435-781-0270 - Fax

Whitmar SWD#1

Stimulation Service - Step Rate Test

Price Code	Description	Amount	Units of Sale	Unit Cost	Total Cost
30-200-0001	Mileage DOT Units - Stim - per unit, per mile, one way	480	ut-mi	\$ 6.20	\$ 2,976.00
30-200-0002	Mileage non-DOT Units - Stim - per job	120	ut-mi	\$ 3.50	\$ 420.00
30-260-1120	Blender 11-20 BPM - first 4 hours, per unit	3	unit	\$ 3,200.00	\$ 9,600.00
30-260-0001	Blender Additional - per unit, per hour	3	ut-hr	\$ 690.00	\$ 2,070.00
30-265-4000	HHP 0,000 to 4,000 psi - first 4 hours, per HHP	1500	HHP	\$ 8.00	\$ 12,000.00
30-265-4001	Additional Hours HHP 0,000 - 4,000 psi, per hour, per HHP	1500	HHP	\$ 3.20	\$ 4,800.00
30-299-2001	AccuDat Frac Van - each, per job	1	ea	\$ 1,000.00	\$ 1,000.00

Gross Price	\$	32,866.00
Net cost of Equipment with 30% discount	\$	23,006.20
Fuel Surcharge, 2% of net ticket	\$	460.12
Total Discounted Stimulation Cost	\$	23,466.32



FAX COVER SHEET

STINSON WELL SERVICES
80 EAST MAIN STREET
PRICE, UT 84501
435-637-8570
435-637-8573 FAX

TO: Chris Kierst -Division of Oil, Gas & MiningFAX: 801-359-3940FROM: Frankie HathawayDATE: 1/18/06SUBJECT: Injection Test on SWD #1-Whitmar Exploration# OF PGS including cover page: 8

COMMENTS: Chris, this is you're your records so that you have the necessary
information for the permit. Let me know if you need anything else. Thanks.
Frankie

RECEIVED
JAN 18 2006
DIV. OF OIL, GAS & MINING

Company: Whitmar Exploration Company

Lense: SWD #1

Formation: Sandstone

Ant. Pump Date: Jan 9, 2006

Injection Test

155° F



Surf	Kind Schedule	Volume (gals)	Cumulative Volume (gals)	Surf Volume (gals)	Rate (gpm)	Stage Time (minutes)	Total Time (minutes)	1500	1000	500	10 min	15 min	Avg. Rate (gpm)	Avg. PSI (psi)	Stage
1	Fresh Water														
2	Fresh Water	1,638	1,638	1,638	1	0:00:00	0:00:00	5					8.00	10	2
3	Fresh Water	2,520	4,158	2,520	2	0:00:00	0:00:00	34	5				2.00	25	3
4	Fresh Water	3,350	7,508	3,350	3	0:00:00	0:00:00	181	5				3.00	305	4
5	Fresh Water	4,200	11,708	4,200	4	0:00:00	0:00:00	461	10				4.00	504	5
6	Fresh Water	5,040	16,748	5,040	5	0:00:00	0:00:00	444	65	25		14	5.00	531	6
7	Fresh Water	5,880	22,628	5,880	6	0:00:00	0:00:00	312	10				6.00	433	7
8	Fresh Water	6,720	29,348	6,720	7	0:00:00	0:00:00	397	74	15		11	7.00	495	8
9	Fresh Water	7,560	36,908	7,560	8	0:00:00	0:00:00	543	237	103		25	8.00	623	9
10	Fresh Water	8,400	45,308	8,400	9	0:00:00	0:00:00	594	343	197		113	9.00	675	10
11	Fresh Water	9,240	54,548	9,240	10	0:00:00	0:00:00	631	354	249		161	10.00	756	11
12	Fresh Water	10,080	64,628	10,080	11	0:00:00	0:00:00	650	395	263		180	11.00	795	12
13	Fresh Water	10,920	75,548	10,920	12	0:00:00	0:00:00	661	404	286		206	12.00	811	13
14	Fresh Water	11,760	87,308	11,760	13	0:00:00	0:00:00	664	435	303		215	13.00	812	14
15	Fresh Water	12,600	99,908	12,600	14	0:00:00	0:00:00	787	445	322		235	14.00	897	15
16	Fresh Water	13,440	113,348	13,440	15	0:00:00	0:00:00	756	440	329		254	15.00	923	16
17	Fresh Water	14,280	127,628	14,280	16	0:00:00	0:00:00	754	462	346		266	16.00	946.00	17
Totals		127,680			3,040	6:27:37		492.1	230.4	203.1	140.0		8.5	597.8	

Calksheet Totals for Materials on Location - 25% Excess

Percent End:	3.29%	100 lbs	18 GM weight	2500 lb	150	200	10 min	15 min	Avg. Rate	Avg. PSI
Pad + SLF:	22,680	7	17		61.5	285	254	175	11	747.143625
Pad + SLF + Flush:	29,400									

Reservoir Pressure: 2,577 psi Press Gradient: 0.433 psi/ft
 BHTP: 4,167 psi Temp Gradient: 1.60 ° F/100 ft
 Inac Gradient: 0.7 psi/ft Treating Press: 2,194 psi
 Density: 8.38 lb/gal

Mid Perf:	5952.5	feet	Gross Feet
Number of Perfs:	346		435
Perf Diameter:	0.4	inches	Net Feet
Perf Friction:	120	psi	435

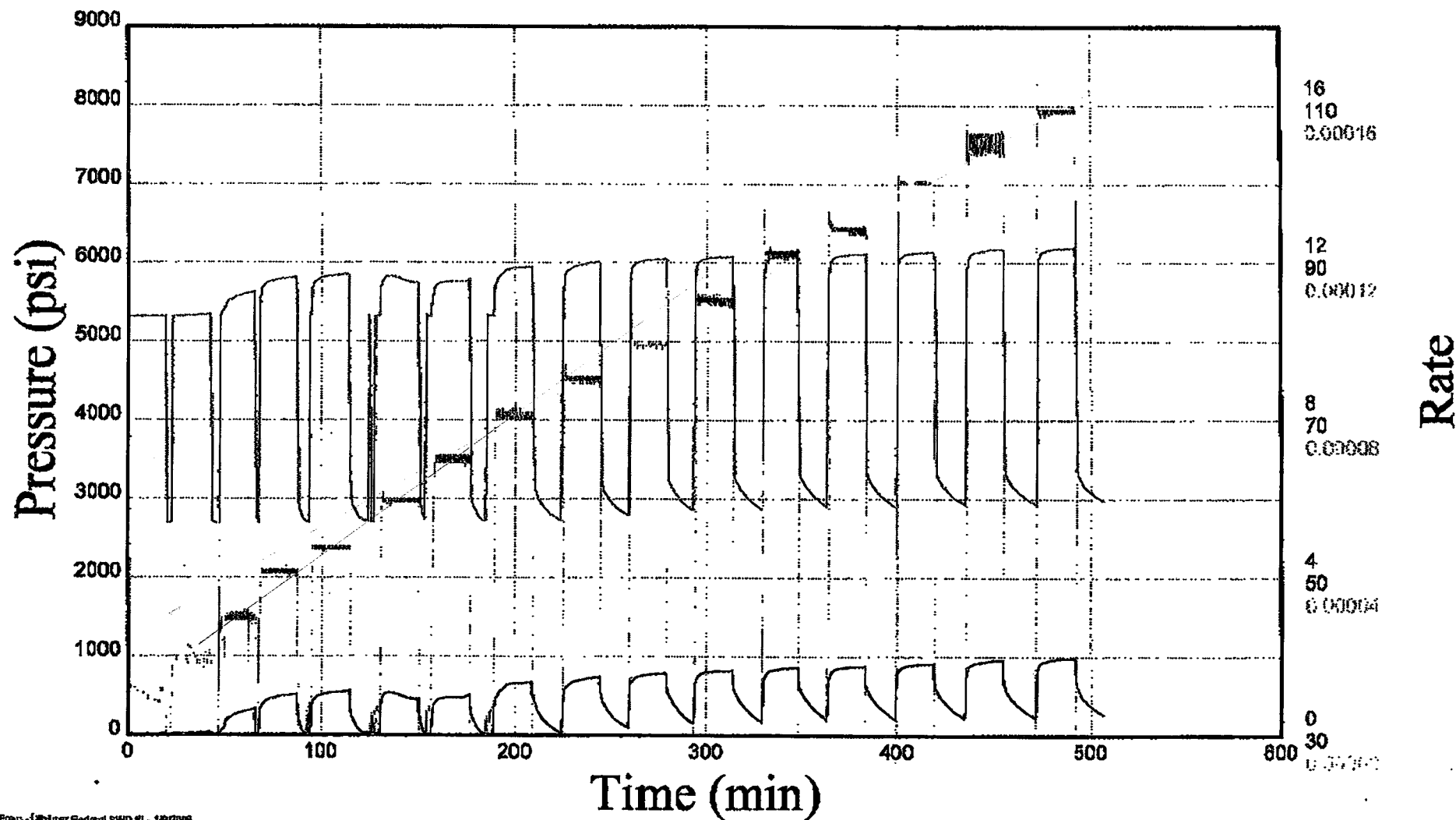
Perf Zone #1	5735	to	6170	346	Holes
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1 % KCl.

BH Calc. & Surface Pressure

— Measured Surface Pres. (psi)
— Calc BHTP from Surface Pressure (psi)

Measured BH Rate (bpm)



Customer :WHITMAR

Lease :SWD#1

Invoice	:246	Stage	:1 of 1
Date	:Mon 01/09/2006	Start Time	:08:45:27 (08:45 AM)
Customer	:WHITMAR	Lease	:SWD#1
State	:UTAH	County	:CARBON COUNTY
Engineer	:BEN DAVIS	Comments	:
Primary	: 5-1/2; J-55 ; 15.50# - NEW	Secondary	:NONE -
Formation	:SAND	Job Type	:TEST INJECTION
Treat Vol	:70000 GAL	Flush Vol	:1000 GAL
Top Int	:5735 FEET	Bottom Int	:6170 FEET
Notch/Perf	:346 EACH	Comments	:WELL SERVICES

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 566 *** AVERAGE RATE: 8.5 *** AVERAGE HHP: 118 *** PTS USED: 63

CALCULATED SHUT IN: ISIP *** 5
 CALCULATED SHUT IN: ISIP *** 5
 CALCULATED SHUT IN: SIP 5 *** 4
 CALCULATED SHUT IN: SIP 10 *** 4
 CALCULATED SHUT IN: ISIP *** 27
 CALCULATED SHUT IN: SIP 5 *** 5
 CALCULATED SHUT IN: ISIP *** 104
 CALCULATED SHUT IN: SIP 5 *** 7
 CALCULATED SHUT IN: SIP 5 *** 7
 CALCULATED SHUT IN: ISIP *** 302
 CALCULATED SHUT IN: ISIP *** 297
 CALCULATED SHUT IN: SIP 5 *** 10
 CALCULATED SHUT IN: SIP 5 *** 9
 CALCULATED SHUT IN: ISIP *** 367
 CALCULATED SHUT IN: SIP 5 *** 66
 CALCULATED SHUT IN: SIP 10 *** 22
 CALCULATED SHUT IN: SIP 15 *** 12
 CALCULATED SHUT IN: ISIP *** 264
 CALCULATED SHUT IN: SIP 5 *** 10
 CALCULATED SHUT IN: SIP 10 *** 6
 CALCULATED SHUT IN: ISIP *** 351
 CALCULATED SHUT IN: SIP 5 *** 74
 CALCULATED SHUT IN: SIP 5 *** 73
 CALCULATED SHUT IN: SIP 10 *** 14
 CALCULATED SHUT IN: SIP 15 *** 7
 CALCULATED SHUT IN: ISIP *** 514
 CALCULATED SHUT IN: SIP 5 *** 237
 CALCULATED SHUT IN: SIP 10 *** 102
 CALCULATED SHUT IN: SIP 10 *** 102
 CALCULATED SHUT IN: SIP 15 *** 30
 CALCULATED SHUT IN: ISIP *** 574
 CALCULATED SHUT IN: SIP 5 *** 343
 CALCULATED SHUT IN: SIP 10 *** 198
 CALCULATED SHUT IN: SIP 15 *** 111
 CALCULATED SHUT IN: ISIP *** 605
 CALCULATED SHUT IN: SIP 5 *** 354
 CALCULATED SHUT IN: SIP 5 *** 353
 CALCULATED SHUT IN: SIP 10 *** 248
 CALCULATED SHUT IN: SIP 15 *** 161
 CALCULATED SHUT IN: ISIP *** 625
 CALCULATED SHUT IN: SIP 5 *** 396
 CALCULATED SHUT IN: SIP 10 *** 263
 CALCULATED SHUT IN: SIP 15 *** 180
 CALCULATED SHUT IN: ISIP *** 642

Customer :WHITMAR

Lease :SWD#1

CALCULATED SHUT IN: ISIP *** 640
 CALCULATED SHUT IN: SIP 5 *** 404
 CALCULATED SHUT IN: SIP 5 *** 288
 CALCULATED SHUT IN: SIP 10 *** 286
 CALCULATED SHUT IN: SIP 15 *** 207
 CALCULATED SHUT IN: ISIP *** 655
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 5 *** 444
 CALCULATED SHUT IN: SIP 5 *** 440
 CALCULATED SHUT IN: SIP 10 *** 303
 CALCULATED SHUT IN: SIP 15 *** 216
 CALCULATED SHUT IN: ISIP *** Error
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 10 *** 323
 CALCULATED SHUT IN: SIP 15 *** 235
 CALCULATED SHUT IN: ISIP *** 687
 CALCULATED SHUT IN: SIP 5 *** 438
 CALCULATED SHUT IN: SIP 10 *** 328
 CALCULATED SHUT IN: SIP 15 *** 248
 CALCULATED SHUT IN: SIP 15 *** 247
 CALCULATED SHUT IN: ISIP *** 700
 CALCULATED SHUT IN: SIP 5 *** 462
 CALCULATED SHUT IN: SIP 10 *** 345
 CALCULATED SHUT IN: SIP 10 *** 342
 CALCULATED SHUT IN: SIP 15 *** 267

LOGGED DATA

	Comment	WHFpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
09:05:10	PAUSED	10	2.0	2	2
09:05:26	Pmp H2O	10	1.8	25	25
09:12:20	Chk R&P	5	1.1	372	372
09:20:40	Chk R&P	5	0.8	699	699
09:24:16	Chk R&P	10	1.1	856	856
09:25:12	ISIP	5	0.0	895	895
09:25:14	ISIP	5	0.0	895	895
09:26:14	SIP 5	5	0.0	895	895
09:26:24	SIP 10	5	0.0	895	895
09:27:34	Pmp H2O	0	0.0	895	895
09:28:22	Chk R&P	10	2.1	944	944
09:28:24	Chk R&P	10	2.1	947	947
09:29:18	ZEROSUB	10	2.0	1025	1025
09:29:20	ZEROSUB	10	2.0	1	1028
09:37:54	Chk R&P	15	2.2	717	1743
09:41:04	Chk R&P	25	1.9	985	2011
09:47:04	Chk R&P	34	2.1	1457	2483
09:48:06	ISIP	37	0.0	1536	2562
09:51:12	SIP 5	5	0.0	1536	2562
09:51:30	Pmp H2O	25	3.9	1553	2579
09:52:26	Chk R&P	19	2.9	1662	2688
09:55:32	Chk R&P	131	3.0	1995	3021
10:01:10	Chk R&P	265	3.1	2700	3727
10:05:24	Chk R&P	295	3.0	3231	4257
10:08:46	Chk R&P	316	3.1	3645	4671
10:11:14	ISIP	166	0.0	3934	4960

2003 Accudat 3.9x

2 of 5

Invoice :246

Customer :WHITMAR

Lease :SWD#1

	Comment	WHPpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
10:12:38	SIP 5	5	0.5	3934	4960
10:12:40	SIP 5	5	0.0	3935	4961
10:12:50	Pmp H2O	5	0.4	3936	4963
10:14:18	ZEROSUB	360	4.1	1	5151
10:14:20	Chk R&P	362	4.2	6	5157
10:20:00	Chk R&P	466	4.1	994	6144
10:22:58	Chk R&P	485	4.2	1511	6661
10:33:08	ISIP	458	0.0	3268	8418
10:33:10	ISIP	327	0.0	3268	8418
10:33:46	ZEROSUB	196	0.0	0	8418
10:38:12	SIP 5	10	0.0	3	8421
10:38:14	SIP 5	5	0.0	3	8421
10:39:52	Pmp H2O	93	2.0	35	8454
10:40:24	Chk R&P	358	4.8	124	8542
10:46:26	Chk R&P	515	4.7	1324	9743
11:00:38	ISIP	396	0.0	4115	12533
11:03:08	ZEROSUB	144	0.0	0	12533
11:05:34	SIP 5	65	0.0	0	12533
11:10:30	SIP 10	20	0.0	0	12533
11:15:24	SIP 15	14	0.6	57	12590
11:15:56	Pmp H2O	10	0.6	70	12603
11:17:20	Pmp H2O	479	6.0	352	12885
11:17:32	Chk R&P	485	6.0	402	12935
11:30:40	Chk R&P	464	6.0	3674	16207
11:30:42	Chk R&P	465	6.0	3683	16216
11:35:40	Chk R&P	452	6.0	4926	17460
11:36:18	ISIP	311	0.0	5038	17571
11:41:02	SIP 5	10	0.6	5062	17595
11:41:18	ZEROSUB	10	0.7	0	17603
11:41:40	SIP 10	10	0.8	11	17614
11:42:20	Pmp H2O	83	2.7	49	17652
11:42:44	Pmp H2O	229	4.8	123	17726
11:44:02	Chk R&P	404	7.0	460	18063
11:46:06	Chk R&P	449	6.9	1069	18672
11:48:54	Chk R&P	465	6.9	1892	19495
11:53:04	Chk R&P	475	7.1	3117	20720
11:59:02	Chk R&P	474	6.9	4872	22475
12:02:20	ISIP	406	0.0	5796	23399
12:07:06	SIP 5	74	0.0	5796	23399
12:07:08	SIP 5	73	0.0	5796	23399
12:11:56	SIP 10	10	0.5	5823	23426
12:13:36	SIP 15	5	0.7	5867	23470
12:13:58	Pmp H2O	20	1.0	5879	23482
12:14:38	Pmp H2O	361	7.7	6017	23620
12:15:00	Chk R&P	434	8.1	6142	23745
12:22:18	Chk R&P	642	8.0	8629	26232
12:27:58	Chk R&P	656	8.1	10556	28159
12:33:46	Chk R&P	667	8.2	12527	30130
12:34:08	ISIP	549	0.0	12601	30204
12:38:58	SIP 5	236	0.0	12601	30204
12:44:14	SIP 10	103	0.0	12601	30204

2003 Accudat 3.9x

3 of 5

Invoice :246

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
12:44:16	SIP 10	102	0.0	12601	30204
12:49:10	SIP 15	28	0.0	12601	30204
12:49:36	Pmp H2O	98	2.0	12610	30213
12:50:54	Chk R&P	573	9.1	13027	30630
12:50:58	ZEROSUB	576	9.0	6	30654
12:54:42	Chk R&P	662	9.1	1426	32075
13:01:16	Chk R&P	708	9.1	3914	34563
13:01:18	Chk R&P	709	9.1	3928	34576
13:08:44	Chk R&P	737	9.1	6741	37390
13:09:08	ISIP	595	0.0	6834	37483
13:13:04	SIP 5	342	0.0	6834	37483
13:18:02	SIP 10	197	0.0	6834	37483
13:23:06	SIP 15	112	0.0	6834	37482
13:24:14	Pmp H2O	122	1.9	6837	37485
13:24:50	Chk R&P	536	9.5	6993	37642
13:29:22	Chk R&P	742	9.9	8890	39539
13:37:38	Chk R&P	777	9.9	12330	42979
13:43:06	Chk R&P	781	10.0	14602	45251
13:43:08	Chk R&P	782	9.9	14614	45263
13:44:18	ISIP	660	0.0	15033	45682
13:49:24	SIP 5	354	0.0	15033	45682
13:49:26	SIP 5	353	0.0	15033	45682
13:53:20	SIP 10	248	0.0	15033	45682
13:58:16	SIP 15	161	0.0	15033	45682
13:58:40	Pmp H2O	156	1.6	15033	45682
13:58:42	Pmp H2O	186	1.2	15035	45684
13:59:32	Chk R&P	662	10.9	15325	45974
14:02:16	Chk R&P	773	11.0	16594	47243
14:09:12	Chk R&P	811	11.1	19814	50463
14:18:48	Chk R&P	816	11.1	24253	54902
14:19:18	ISIP	650	0.0	24408	55056
14:24:02	SIP 5	395	0.0	24407	55056
14:29:04	SIP 10	263	0.0	24407	55056
14:33:52	SIP 15	180	0.0	24407	55056
14:34:14	Pmp H2O	174	0.0	24407	55056
14:36:10	Chk R&P	744	12.3	25054	55703
14:36:18	ZEROSUB	753	12.1	5	55772
14:39:12	Chk R&P	816	12.2	1496	57263
14:42:42	Chk R&P	833	12.3	3293	59061
14:52:40	Chk R&P	856	12.2	8408	64175
14:54:08	ISIP	669	0.0	9081	64848
14:54:10	ISIP	682	0.0	9081	64848
14:59:10	SIP 5	403	0.0	9081	64848
15:03:48	SIP 5	288	0.0	9081	64848
15:03:54	SIP 10	285	0.0	9081	64848
15:08:30	SIP 15	206	0.0	9081	64848
15:08:56	Pmp H2O	230	1.1	9082	64849
15:09:48	Chk R&P	708	13.1	9370	65137
15:28:16	Chk R&P	876	12.7	19324	75092
15:28:52	ISIP	697	0.0	19590	75358
15:33:02	SIP 5	444	0.0	19590	75358

2003 Accudat 3.9x

4 of 5

Invoice :246

Customer :WHITMAR

Lease :SWD#1

	Comment	WETPps1	SLRRYbpm	S#SLRRYga	T#SLRRYga
15:33:04	SIP 5	444	0.0	19590	75358
15:33:12	SIP 5	439	0.0	19590	75358
15:38:44	SIP 10	303	0.0	19590	75358
15:43:54	SIP 15	215	0.0	19590	75358
15:44:12	Pmp H2O	210	0.0	19590	75358
15:44:20	ZEROSUB	210	0.0	0	75358
15:45:44	Chk R&P	788	14.0	496	75853
15:50:18	Chk R&P	882	14.0	3190	78548
15:50:28	Chk R&P	884	14.0	3287	78645
16:03:22	Chk R&P	907	13.9	10883	86240
16:04:06	ISIP	767	7.4	11288	86646
16:08:48	SIP 5	444	0.0	11426	86784
16:13:48	SIP 10	322	0.0	11426	86784
16:16:22	ZEROSUB	275	0.0	0	86784
16:19:00	SIP 15	235	0.0	0	86784
16:19:30	Pmp H2O	229	0.0	0	86784
16:20:08	Pmp H2O	410	5.2	45	86828
16:22:00	Chk R&P	866	15.1	1132	87916
16:23:16	Chk R&P	894	14.8	1935	88719
16:32:56	Chk R&P	948	14.9	8069	94852
16:39:36	Chk R&P	955	15.3	12304	99088
16:40:00	ISIP	751	2.5	12507	99290
16:45:08	SIP 5	437	0.0	12508	99292
16:50:02	SIP 10	327	0.0	12508	99292
16:54:58	SIP 15	248	0.0	12508	99292
16:55:00	SIP 15	247	0.0	12508	99292
16:56:36	Pmp H2O	225	0.0	12508	99292
16:56:42	ZEROSUB	225	0.0	12508	99292
16:57:48	Chk R&P	852	16.0	562	99854
17:04:46	Chk R&P	956	15.8	5190	104482
17:14:34	Chk R&P	974	15.8	11721	111013
17:15:46	Chk R&P	975	15.9	12521	111813
17:17:04	ISIP	723	0.0	13288	112580
17:21:46	SIP 5	461	0.0	13288	112580
17:26:50	SIP 10	346	0.0	13288	112580
17:27:00	SIP 10	342	0.0	13288	112580
17:31:46	SIP 15	266	0.0	13288	112580

POST JOB COMMENTS

Safety Meeting Conducted

Thank you for Using Superior Well Services

END OF REPORT

From: "Stinson Well Services" <stinsonwellservices@etv.net>
To: "Chris Kierst" <chriskierst@utah.gov>
Date: 01/18/2006 11:19:48 AM
Subject: swd #1 casing test

1-17-06,

Run in hole with 3 1/2", 9.3#, j-55, production tubing for injection string with plastic coated inside, & packer, set packer @ 5714'
filled backside with water & pressured up to 1000#'s with testing truck, held for 1 hr. while charting test.
tested well head to 5000 psi @ tubing hanger & above.
Well head test by Cameron well Head Company.
Casing test performed by B&C Quick test, (chart in packet sent out 1-16-06)

If you have any questions please feel free to contact me @ 435-637-8570 or 435-630-6344

witnessed by : Mark Jones dogma
Bo Stinson Whitmar rep. of (Stinson Well Services)

Thanks Bo Stinson:
Stinson Well Services
Price Ut.

Need pressure
rate curve

First Attempt @ SRT

From: "Stinson Well Services" <stinsonwellservices@etv.net>
To: "Chris Kierst" <chriskierst@utah.gov>
Date: 01/18/2006 11:19:48 AM
Subject: swd #1 casing test

1-17-06,

Run in hole with 3 1/2", 9.3#, j-55, production tubing for injection string with plastic coated inside, & packer, set packer @ 5714'

filled backside with water & pressured up to 1000#'s with testing truck, held for 1 hr. while charting test. tested well head to 5000 psi @ tubing hanger & above.

Well head test by Cameron well Head Company.

Casing test performed by B&C Quick test, (chart in packet sent out 1-16-06)

If you have any questions please feel free to contact me @ 435-637-8570 or 435-630-6344

witnessed by : Mark Jones dogma

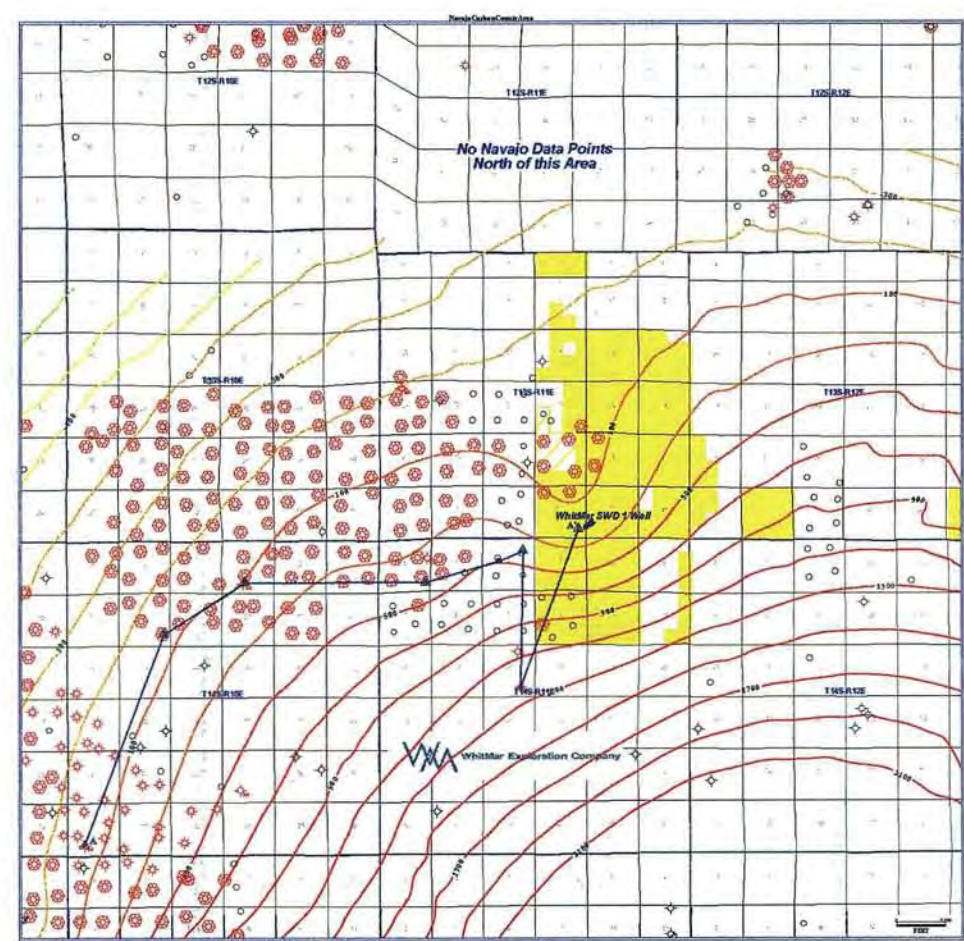
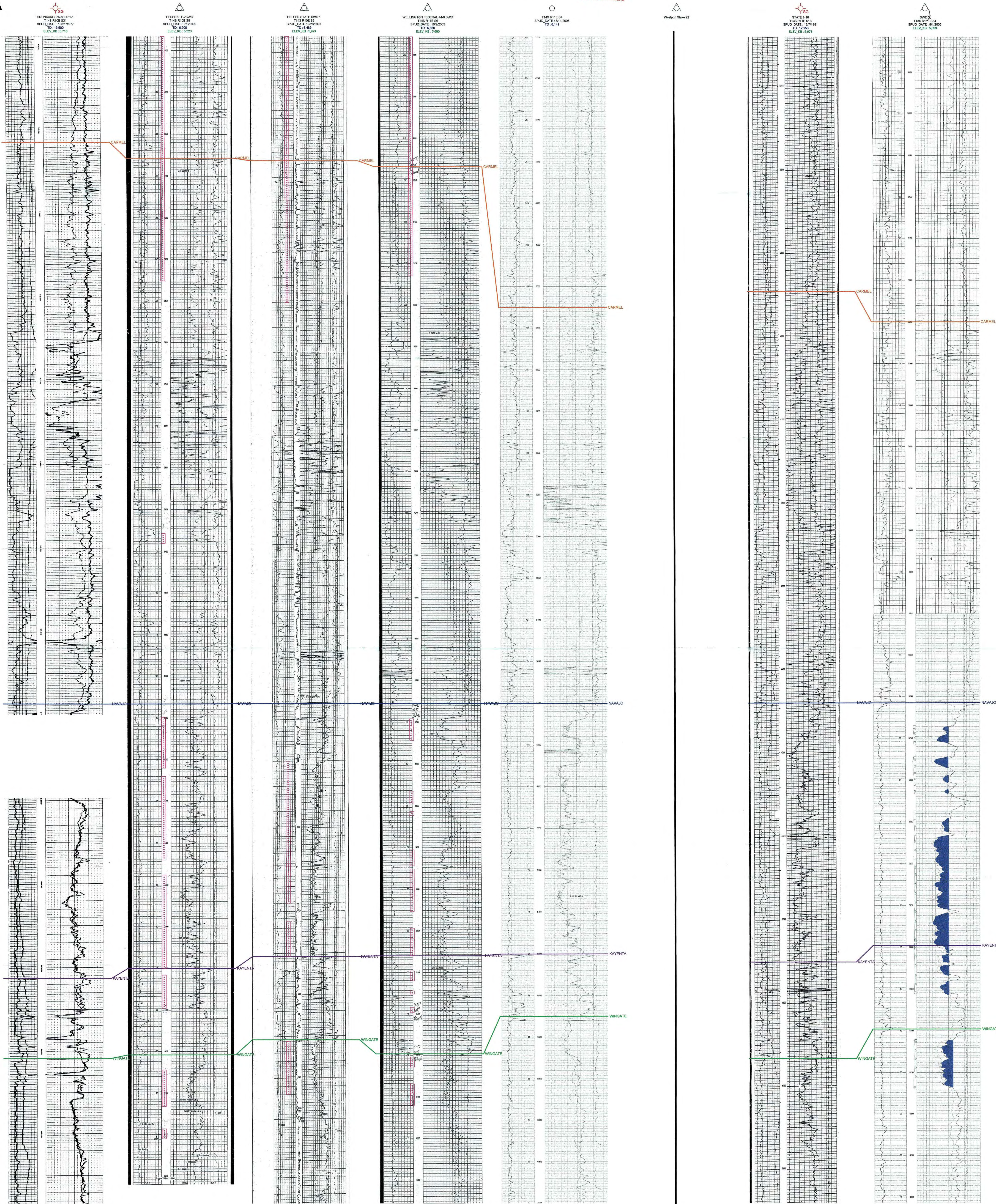
Bo Stinson Whitmar rep. of (Stinson Well Services)

Thanks Bo Stinson:
Stinson Well Services
Price Ut.

Bo Stinson
D9
D14

WHITMAR SWD #1
INJECTION TEST 1-9-06

Time	BPM	Press.	ISIP	5 Min.	10 Min.	15 Min.	Bbls
9:05-9:26	1 Bpm@20 min	10	10	2	0	0	
9:28-9:48	2 Bpm@20 min	39	34	3	0	0	2880
9:51-10:11	3 Bpm@20 min	329	181	1 ½	0	0	60bbl 4320
10:13-0:33	4 Bpm@20 min	510	461	10	6	0	80 bbl 5760
10:40-1:00	5 Bpm@20 min	562	444	65	25	14	100bbl7200
11:16-1:36	6 Bpm @20 min	450	312	10	0	0	120bl8640
11:42-2:02	7 Bpm @20 min	505	397	74	15	11	140bbl10080
12:14-2:34	8 Bpm @20 min	667	543	237	103	25	160bbl11520
12:49-1:09	9 Bpm @20 min	684	594	343	197	113	180bbl12960
1:24-1:44	10 Bpm@20min	782	631	354	249	161	200bbl14400
1:56-2:19	11 Bpm @20 min	818	650	395	263	180	220bbl15840
2:34-2:54	12 Bpm @20 min	828	661	404	286	206	240bbl17280
3:09-3:29	13 Bpm @20 min	828	664	438	303	215	260bbl18720
3:45-4:04	14 Bpm @20 min	908	787	445	322	235	280bbl20160
4:20-4:40	15 Bpm @20 min	934	756	440	328	248	300bbl21600
4:56-5:17	16 Bpm @20 min	974	754	462	346	266	320bbl23040

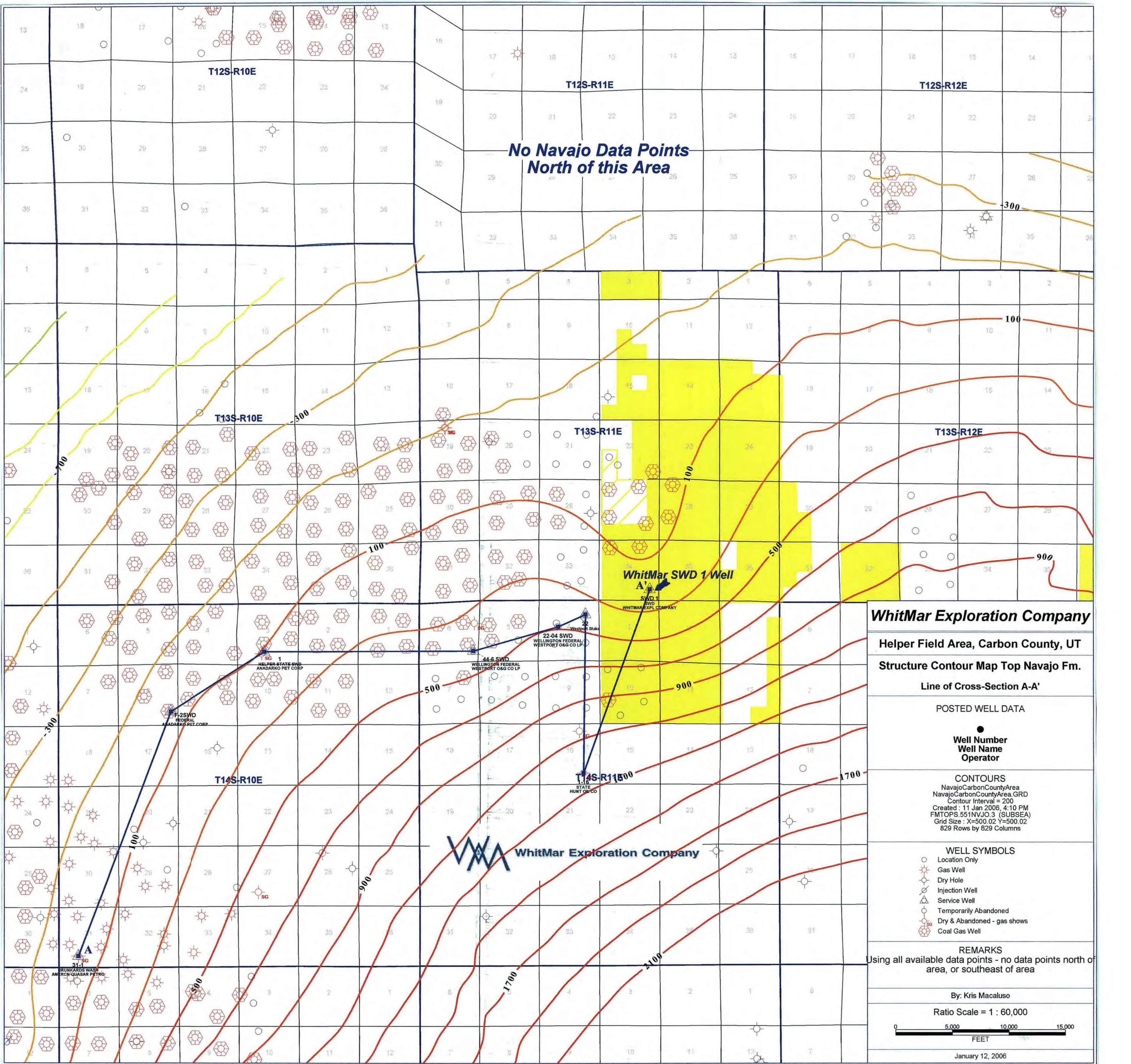


Stratigraphic Cross-Section
Neutron-Density Porosity Logs
Hung On Navajo Formation,
Showing Top of Confining Carmel Fm.
Cross-Section Uses All Available Deep
Wells In Area



WhitMar Exploration Company

Helper Prospect
Carbon County, UT



No Navajo Data Points
North of this Area

WhitMar Exploration Company

Helper Field Area, Carbon County, UT

Structure Contour Map Top Navajo Fm.

Line of Cross-Section A-A'

POSTED WELL DATA

● Well Number
● Well Name
● Operator

CONTOURS

NavajoCarbonCountyArea
NavajoCarbonCountyArea.GRD
Contour Interval = 200
Created : 11 Jan 2006, 4:10 PM
FMTOPS.551NVJO.3 (SUBSEA)
Grid Size : X=500.02 Y=500.02
829 Rows by 829 Columns

WELL SYMBOLS

- Location Only
- ★ Gas Well
- ⊕ Dry Hole
- ⊙ Injection Well
- ⊙ Service Well
- ⊙ Temporarily Abandoned
- ⊙ Dry & Abandoned - gas shows
- ⊙ Coal Gas Well

REMARKS

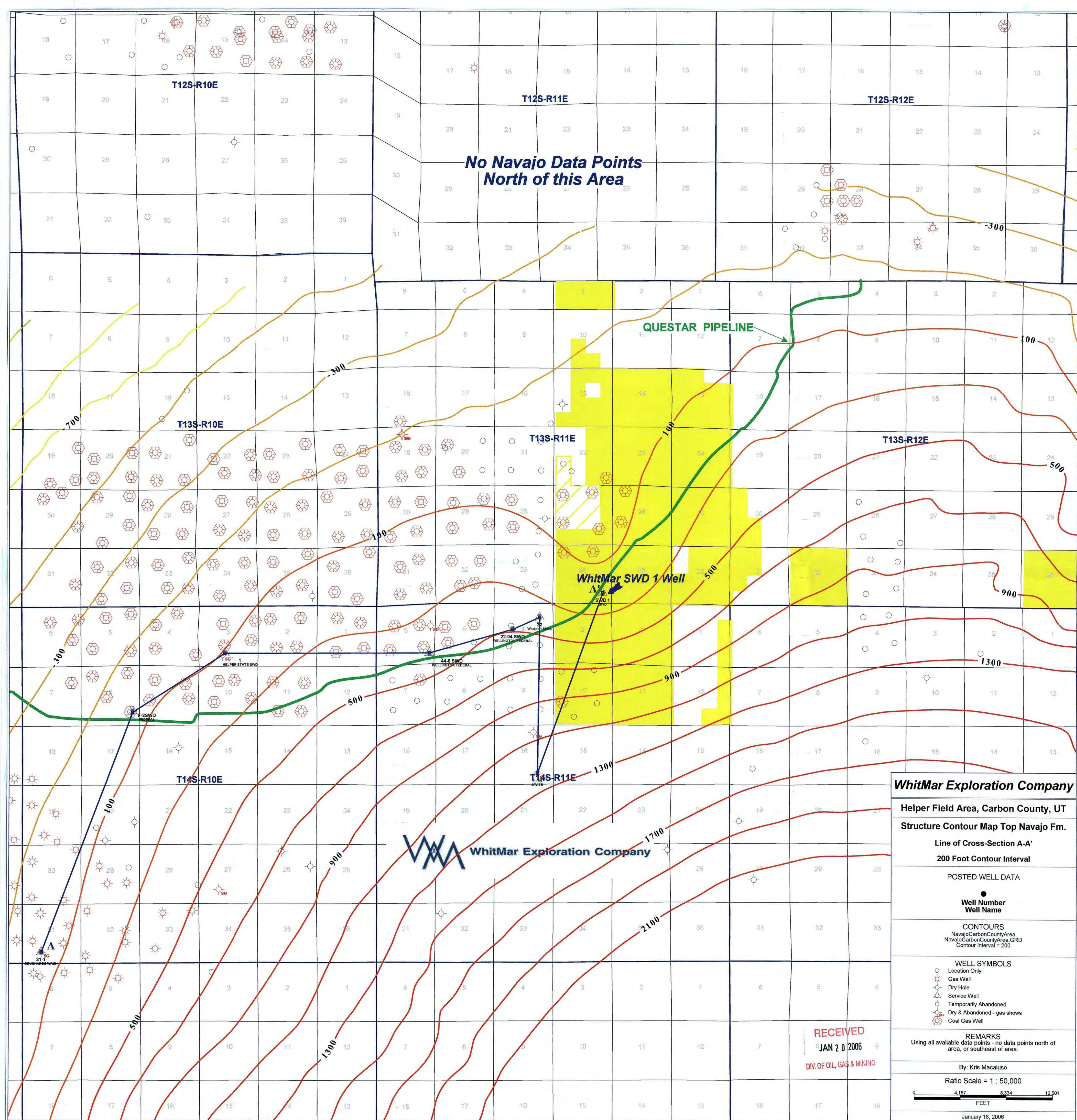
Using all available data points - no data points north of
area, or southeast of area

By: Kris Macaluso

Ratio Scale = 1 : 60,000



January 12, 2006



WhitMar Exploration Company

Helper Field Area, Carbon County, UT

Structure Contour Map Top Navajo Fm.

Line of Cross-Section A-A'

200 Foot Contour Interval

POSTED WELL DATA

Well Number
Well Name

CONTOURS
NavajoCarbonCountyArea
NavajoCarbonCountyArea.GRD
Contour Interval = 200

WELL SYMBOLS

- Location Only
- Gas Well
- Dry Hole
- Service Well
- Temporarily Abandoned
- Dry & Abandoned - gas shows
- Coal Gas Well

REMARKS
Using all available data points - no data points north of
area, or southeast of area.

By: Kris Macaluso

Ratio Scale = 1 : 50,000

0 4,167 8,334 12,501
FEET

January 18, 2006

B & C Quick Test, Inc.

Nipple Up Service

B.O.P. Testing

2590 North 500 East • Vernal, Utah 84078
Office (435) 789-8159 • Fax: 435-781-6445

FIELD TICKET

4548

RENTED TO _____ NO. _____

DATE 1-14-06

ORDERED BY Lo STANSON LEASE 11-6000 WELL NO. Surt. #1

Rental begins when tools leave our warehouse and continues until returned thereto. Rental day starts at midnight and part day shall be charged as full day.

TRANSPORTATION - ROUND TRIP TO AND FROM JOB SITE: 300 MILES @ \$ 2.00 PER MILE \$ 600.00

SET UP CHARGE _____ Hr. Min. \$ _____

HOURS AFTER MIN. _____ Hrs. @ _____ \$ _____

Items Tested:

_____ rams to _____ psi	Csg. to <u>1250</u> psi	Choke Manifold _____ psi
_____ rams to _____ psi	Hydril B.O.P. to _____ psi	Upper Kelly Cock _____ psi
_____ rams to _____ psi	Choke Line _____ psi	Lower Kelly Cock _____ psi
_____ rams to _____ psi	Inside B.O.P. _____ psi	Safety Valve _____ psi

OTHER: _____

TEST SUBS: _____ Conn. Size _____ @ \$ _____ each. \$ _____

PLUGS: _____ TYPE _____ SIZE _____ @ _____ \$ _____

PACKER: _____ SIZE _____ @ _____ \$ _____

CHEMICALS: _____ @ _____ \$ _____

SECTION: _____

TOWNSHIP: _____

RANGE: _____

COUNTY: _____

RECEIVED

JAN 19 2006

DIV. OF OIL, GAS & MINING

CHARGE TO: _____

() OPERATOR Lo STANSON SUB TOTAL _____

() CONTRACTOR _____ RIG # _____ % TAX _____

BILLING ADDRESS: _____ TOTAL --- \$ 1400.00

TERMS NET CASH - NO DISCOUNT. (PRICES SUBJECT TO CHANGE WITHOUT NOTICE): Terms and Conditions Under Which Tools and Other Equipment Are Rented: Lessor exercises precautions to keep its tools and other equipment in good condition. All tools and other equipment rented from Lessor is used at Lessee's sole risk. Lessee agrees that Lessor shall not be liable for any damages for personal injuries to any persons or for any damage to Lessor's property or the property of other persons that may be caused by any of such tools or other equipment, or that may be caused by its failure during use, and Lessee hereby agrees to hold harmless and indemnify Lessor against all persons for all personal injuries and/or property damage. Well conditions which prevent satisfactory operation of equipment do not relieve Lessee of his responsibility for rental charges. Lessee assumes all responsibility for equipment while out of possession of the Lessor and promises to return such equipment to the Lessor in as good condition as it was at the effective date of the lease, natural wear and tear from reasonable use thereof excepted. All equipment lost or damaged beyond repair will be paid for by the Lessee at the market price and all damaged equipment which can be repaired will be repaired and the repairs paid for by the Lessee. Accrued rental charges cannot be applied against the purchase price or cost of repairs of such damaged or lost equipment. All transportation charges must be borne by the Lessee. Rental begins when equipment leaves Lessor's yard and continues until returned thereto. ALL TOOLS AND EQUIPMENT SHALL REMAIN the sole property of Lessor. This lease is made and shall be effective when the equipment is delivered to the carrier selected by the Lessee.

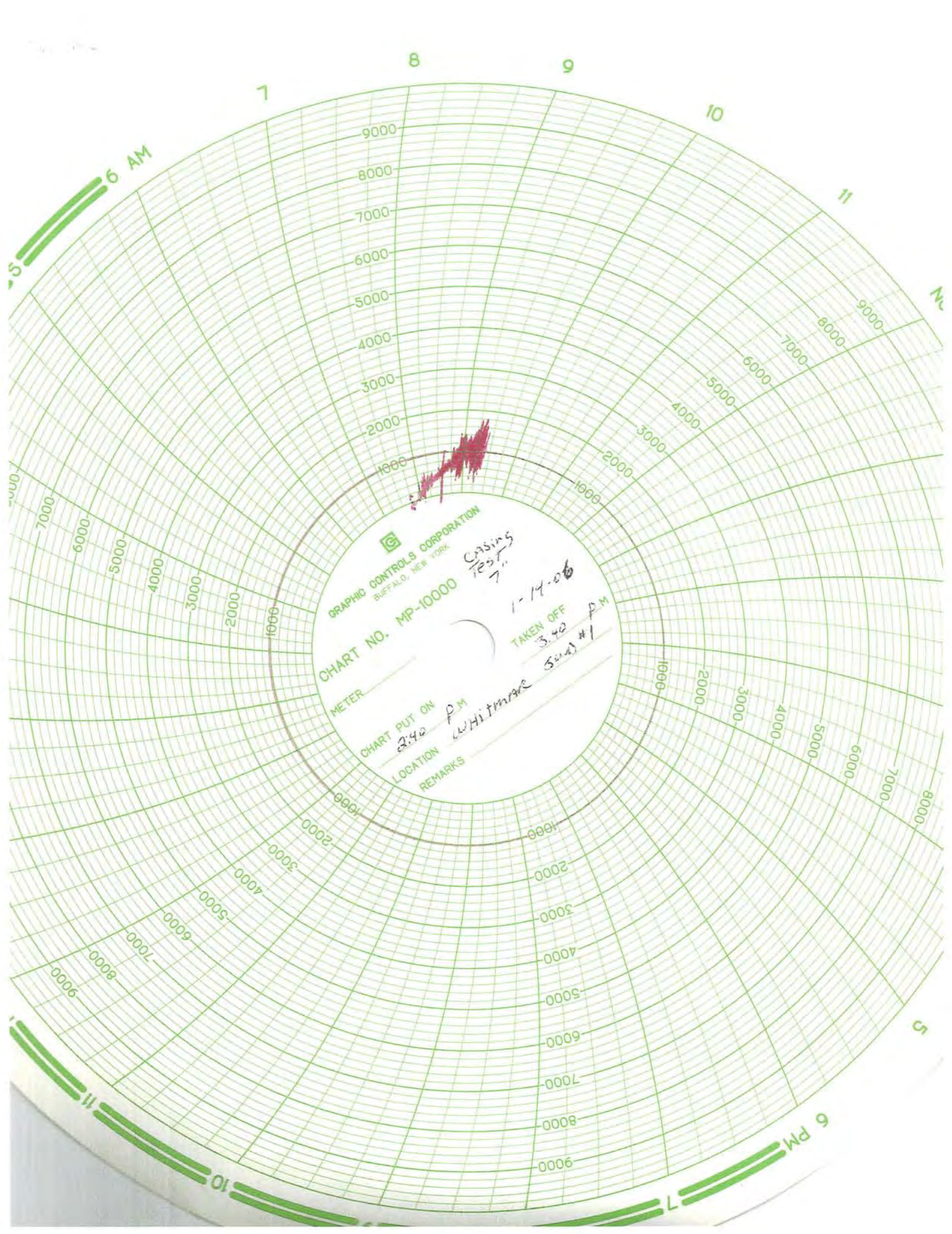
TERMS: Net Cash - No Discount. All charges are due and payable at the office of Lessor in Vernal, Utah on the 20th of the month following date of invoice. Interest will be charged at the rate of 18% or maximum allowed by law. Interest charged after 60 days from date of invoice.

We Appreciate Your Business

DELIVERED BY: _____

By: _____

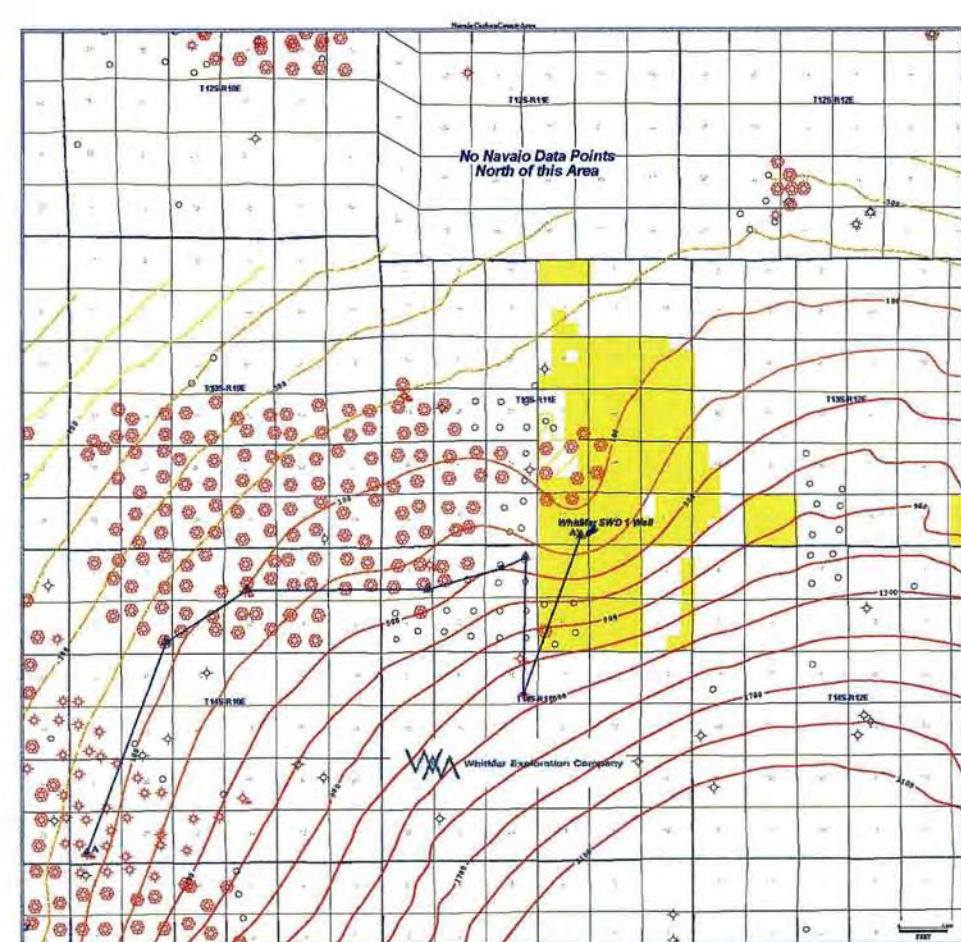
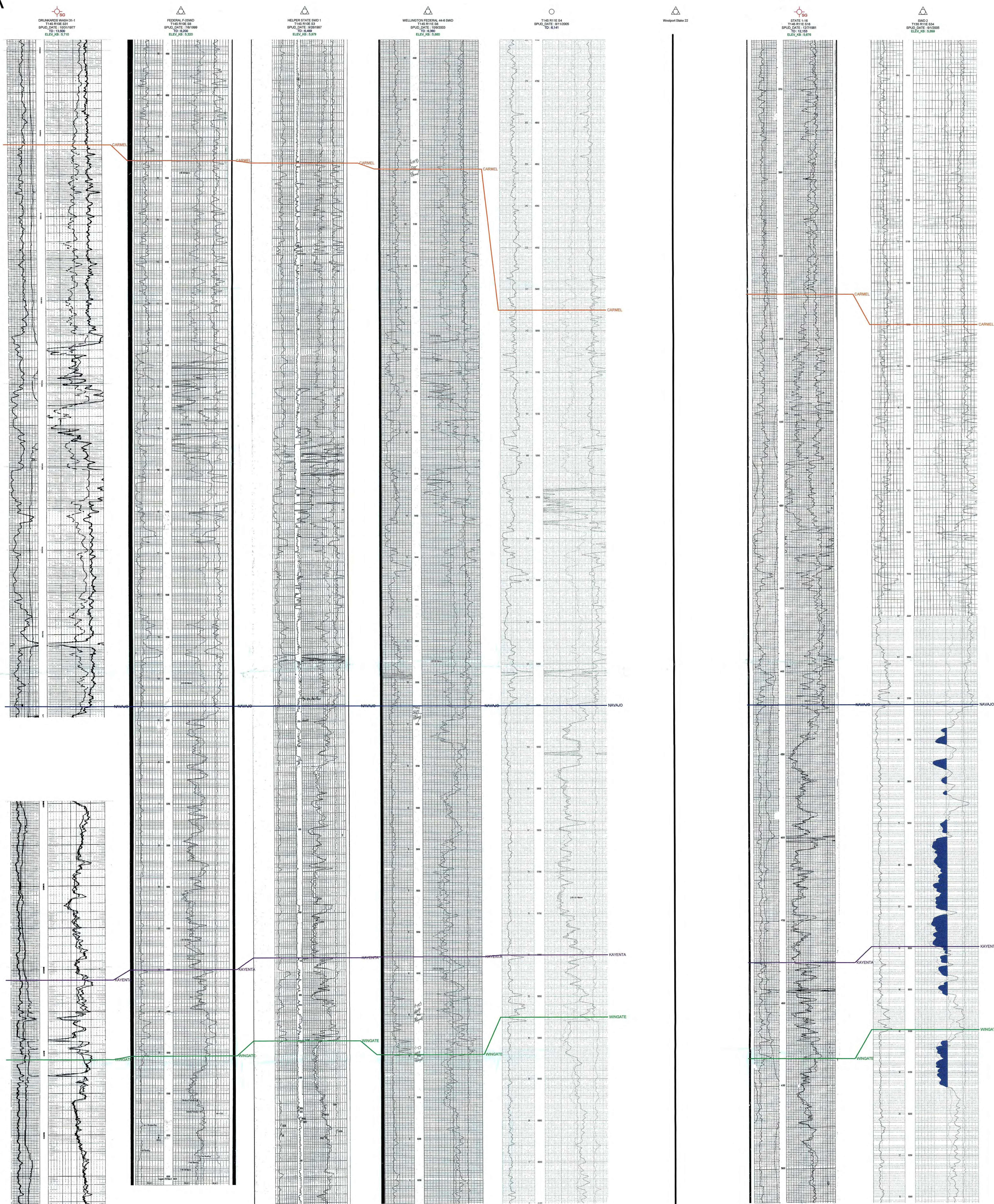
OWNER OR OWNER'S REPRESENTATIVE



A

UNTAR BASIN

A'



Stratigraphic Cross-Section
Neutron-Density Porosity Logs
Hung On Navajo Formation,
Showing Top of Confining Carmel Fm.
Cross-Section Uses All Available Deep
Wells In Area

WhitMar Exploration Company

Helper Prospect
Carbon County, UT

RECEIVED
JAN 20 2006
DIV. OF OIL, GAS & MINING

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, CO 80202-3908
(303) 991-9400
Fax (303) 991-9401

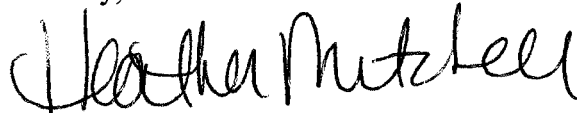
January 18, 2006

Attention: Chris Kierst, Senior Petroleum Specialist
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Mr. Kierst:

Please find the enclosed Test Data Results and Maps for the Salt Water Disposal Well. If you have any questions regarding this matter, please feel free to contact me at 303-991-9400 ext. 100

Sincerely,

A handwritten signature in black ink that reads "Heather Mitchell". The signature is written in a cursive, flowing style.

Heather Mitchell

RECEIVED

JAN 20 2006

DIV. OF OIL, GAS & MINING

WHITMAR SWD #1
INJECTION TEST 1-9-06

Time	BPM	Press.	ISIP	5 Min.	10 Min.	15 Min.	Bbls
9:05-9:26	1 Bpm@20 min	10	10	2	0	0	
9:28-9:48	2 Bpm@20 min	39	34	3	0	0	2880
9:51-10:11	3 Bpm@20 min	329	181	1 ½	0	0	60bbl 4320
10:13-0:33	4 Bpm@20 min	510	461	10	6	0	80 bbl 5760
10:40-1:00	5 Bpm@20 min	562	444	65	25	14	100bbl 7200
11:16-1:36	6 Bpm @20 min	450	312	10	0	0	120bl 8640
11:42-2:02	7 Bpm @20 min	505	397	74	15	11	140bbl 10080
12:14-2:34	8 Bpm @20 min	667	543	237	103	25	160bbl 11520
12:49-1:09	9 Bpm @20 min	684	594	343	197	113	180bbl 12960
1:24-1:44	10 Bpm@20min	782	631	354	249	161	200bbl 14400
1:56-2:19	11 Bpm @20 min	818	650	395	263	180	220bbl 15840
2:34-2:54	12 Bpm @20 min	828	661	404	286	206	240bbl 17280
3:09-3:29	13 Bpm @20 min	828	664	438	303	215	260bbl 18720
3:45-4:04	14 Bpm @20 min	908	787	445	322	235	280bbl 20160
4:20-4:40	15 Bpm @20 min	934	756	440	328	248	300bbl 21600
4:56-5:17	16 Bpm @20 min	974	754	462	346	266	320bbl 23040

Company: Whitmar Exploration Company

Lease: SWD #1

Formation: Sandstone



Injection Test

155° F

Ant. Pump Date: Jan 9, 2006

Stage	Fluid Schedule	Volume (gals)	Cumulative Volume (gals)				Slurry Volume (bbls)	Rate (bpm)	Stage Time (h:min:sec)	Total Time (h:min:sec)	ISIP	5 min	10 min	15 min	Ave. Rate (bpm)	Ave. PSI (psi)	Stage
1	Fresh Water									6:27:37							1
2	Fresh Water	1,680	1,680				40	1	0:40:00	6:27:37	5				1.00	10	2
3	Fresh Water	2,520	4,200				60	2	0:30:00	5:47:37	34	5			2.00	25	3
4	Fresh Water	3,360	7,560				80	3	0:26:40	5:17:37	181	5			3.00	305	4
5	Fresh Water	4,200	11,760				100	4	0:25:00	4:50:57	461	10			4.00	504	5
6	Fresh Water	5,040	16,800				120	5	0:24:00	4:25:57	444	65	25	14	5.00	532	6
7	Fresh Water	5,880	22,680				140	6	0:23:20	4:01:57	312	10			6.00	433	7
8	Fresh Water	6,720	29,400				160	7	0:22:51	3:38:37	397	74	15	11	7.00	495	8
9	Fresh Water	7,560	36,960				180	8	0:22:30	3:15:45	543	237	103	25	8.00	623	9
10	Fresh Water	8,400	45,360				200	9	0:22:13	2:53:15	594	343	197	113	9.00	675	10
11	Fresh Water	9,240	54,600				220	10	0:22:00	2:31:02	631	354	249	161	10.00	756	11
12	Fresh Water	10,080	64,680				240	11	0:21:49	2:09:02	650	395	263	180	11.00	798	12
13	Fresh Water	10,920	75,600				260	12	0:21:40	1:47:13	661	404	286	206	12.00	811	13
14	Fresh Water	11,760	87,360				280	13	0:21:32	1:25:33	664	438	303	215	13.00	812	14
15	Fresh Water	12,600	99,960				300	14	0:21:26	1:04:01	787	445	322	235	14.00	897	15
16	Fresh Water	13,440	113,400				320	15	0:21:20	0:42:35	756	440	328	254	15.00	923	16
17	Fresh Water	14,280	127,680				340	16	0:21:15	0:21:15	754	462	346	266	16.00	966.00	17
Totals		127,680					3,040		6:27:37		492.1	230.4	203.1	140.0	8.5	597.8	
Callsheet Totals for Materials on Location - 25% Excess																	
Percent Pad:	3.29%						TBG Size	TBG Weight		Pipe Friction		ISIP	5 min	10 min	15 min	Ave. Rate	Ave. PSI
Pad + SLF:	22,680						7	17		500		615	288	254	175	11	747.265625
Pad + SLF + Flush:	29,400																

Reservoir Pressure: 2,577 psi Press Gradient: 0.433 psi/ft
 BHTP: 4,167 psi Temp Gradient: 1.60 ° F/100 ft
 Frac Gradient: 0.7 psi/ft Treating Press: 2194 psi
 Density: 8.38 lb/gal

Mid Perf:	5952.5	feet	Gross Feet
Number of Perfs:	346		435
Perf Diameter:	0.4	inches	Net Feet
Perf Friction:	120	psi	435

Perf Zone #1 5735 to 6170 346 holes

1 % KCL

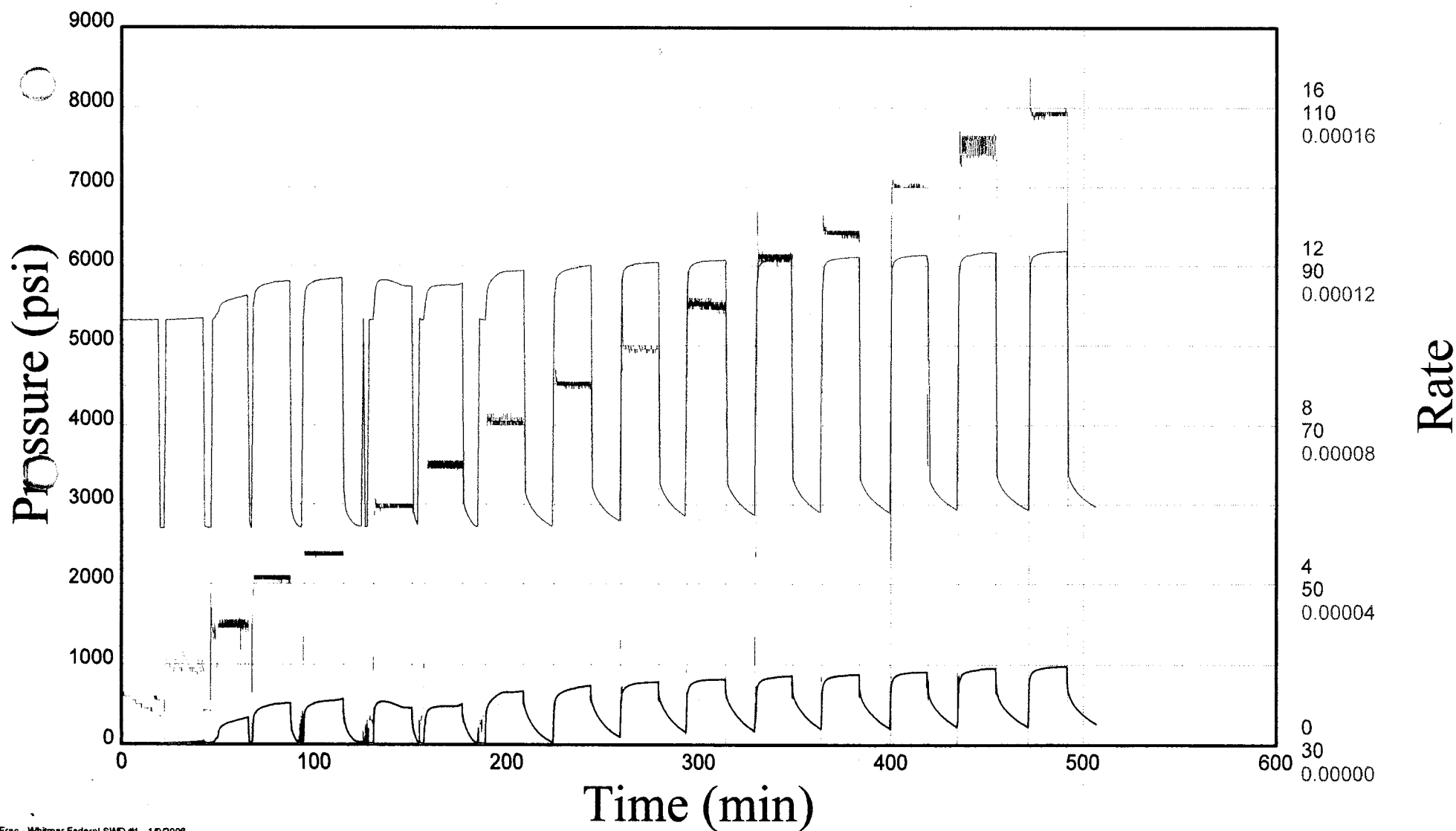
JAN 20 2006

BH Calc. & Surface Pressure

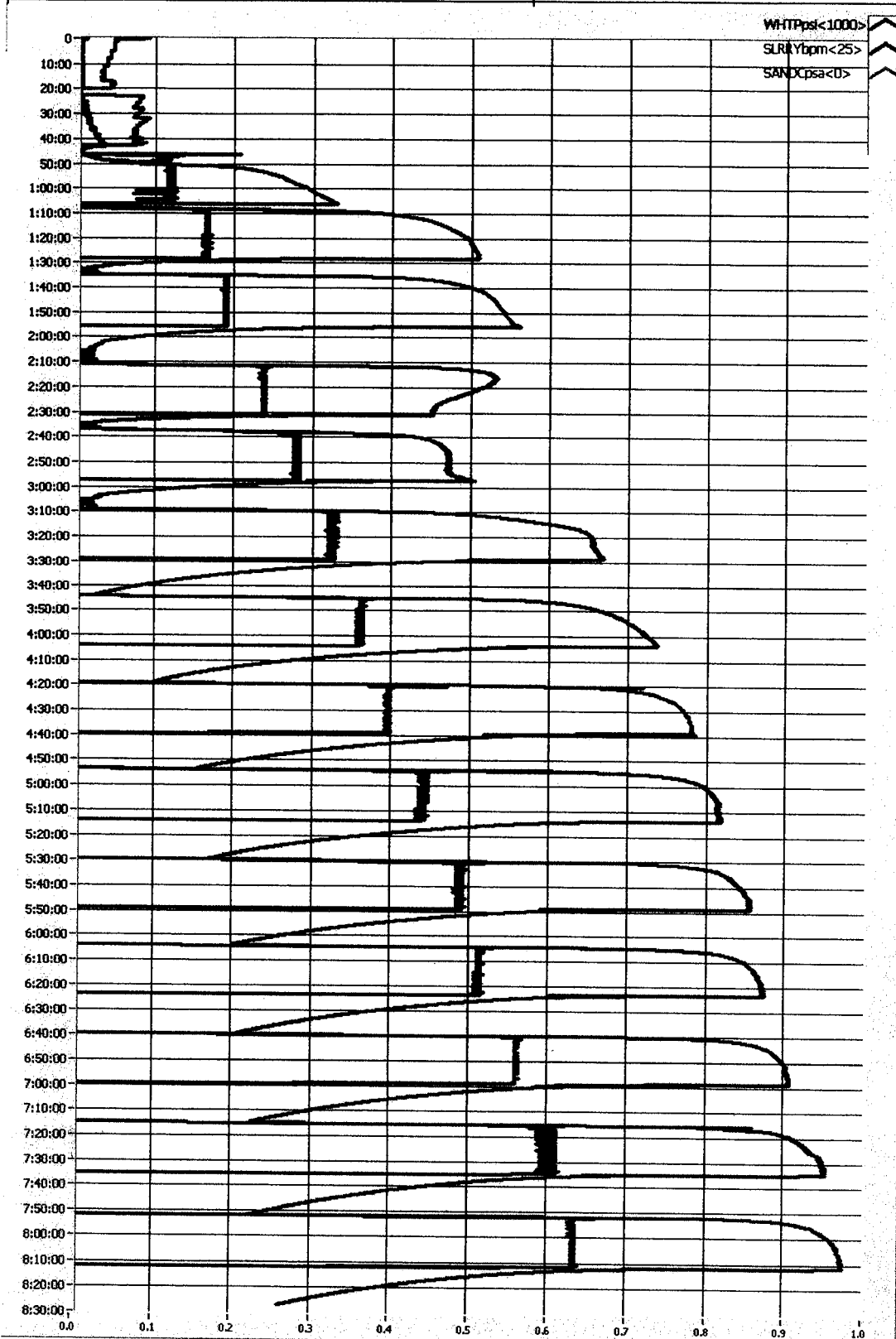
— Measured Surface Pres. (psi)

— Measured BH Rate (bpm)

— Calc BHTP from Surface Pressure (psi)



Invoice	:246	Stage	:1 of 1
Date	:Mon 01/09/2006	Start Time	:08:45:27 (08:45 AM)
Customer	:WHITMAR	Lease	:8WD#1



Customer :WHITMAR

Lease :SWD#1

Invoice	:246	Stage	:1 of 1
Date	:Mon 01/09/2006	Start Time	:08:45:27 (08:45 AM)
Customer	:WHITMAR	Lease	:SWD#1
State	:UTAH	County	:CARBON COUNTY
Engineer	:BEN DAVIS	Comments	:
Primary	: 5-1/2; J-55 ; 15.50# - NEW	Secondary	:NONE -
Formation	:SAND	Job Type	:TEST INJECTION
Treat Vol	:70000 GAL	Flush Vol	:1000 GAL
Top Int	:5735 FEET	Bottom Int	:6170 FEET
Notch/Perf	:346 EACH	Comments	:WELL SERVICES

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 566 *** AVERAGE RATE: 8.5 *** AVERAGE HHP: 118 *** PTS USED: 63

CALCULATED SHUT IN: ISIP *** 5
CALCULATED SHUT IN: ISIP *** 5
CALCULATED SHUT IN: SIP 5 *** 4
CALCULATED SHUT IN: SIP 10 *** 4
CALCULATED SHUT IN: ISIP *** 27
CALCULATED SHUT IN: SIP 5 *** 5
CALCULATED SHUT IN: ISIP *** 104
CALCULATED SHUT IN: SIP 5 *** 7
CALCULATED SHUT IN: SIP 5 *** 7
CALCULATED SHUT IN: ISIP *** 302
CALCULATED SHUT IN: ISIP *** 297
CALCULATED SHUT IN: SIP 5 *** 10
CALCULATED SHUT IN: SIP 5 *** 9
CALCULATED SHUT IN: ISIP *** 367
CALCULATED SHUT IN: SIP 5 *** 66
CALCULATED SHUT IN: SIP 10 *** 22
CALCULATED SHUT IN: SIP 15 *** 12
CALCULATED SHUT IN: ISIP *** 264
CALCULATED SHUT IN: SIP 5 *** 10
CALCULATED SHUT IN: SIP 10 *** 6
CALCULATED SHUT IN: ISIP *** 351
CALCULATED SHUT IN: SIP 5 *** 74
CALCULATED SHUT IN: SIP 5 *** 73
CALCULATED SHUT IN: SIP 10 *** 14
CALCULATED SHUT IN: SIP 15 *** 7
CALCULATED SHUT IN: ISIP *** 514
CALCULATED SHUT IN: SIP 5 *** 237
CALCULATED SHUT IN: SIP 10 *** 102
CALCULATED SHUT IN: SIP 10 *** 102
CALCULATED SHUT IN: SIP 15 *** 30
CALCULATED SHUT IN: ISIP *** 574
CALCULATED SHUT IN: SIP 5 *** 343
CALCULATED SHUT IN: SIP 10 *** 198
CALCULATED SHUT IN: SIP 15 *** 111
CALCULATED SHUT IN: ISIP *** 605
CALCULATED SHUT IN: SIP 5 *** 354
CALCULATED SHUT IN: SIP 5 *** 353
CALCULATED SHUT IN: SIP 10 *** 248
CALCULATED SHUT IN: SIP 15 *** 161
CALCULATED SHUT IN: ISIP *** 625
CALCULATED SHUT IN: SIP 5 *** 396
CALCULATED SHUT IN: SIP 10 *** 263
CALCULATED SHUT IN: SIP 15 *** 180
CALCULATED SHUT IN: ISIP *** 642

Customer :WHITMAR

Lease :SWD#1

CALCULATED SHUT IN: ISIP *** 640
 CALCULATED SHUT IN: SIP 5 *** 404
 CALCULATED SHUT IN: SIP 5 *** 288
 CALCULATED SHUT IN: SIP 10 *** 286
 CALCULATED SHUT IN: SIP 15 *** 207
 CALCULATED SHUT IN: ISIP *** 655
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 5 *** 444
 CALCULATED SHUT IN: SIP 5 *** 440
 CALCULATED SHUT IN: SIP 10 *** 303
 CALCULATED SHUT IN: SIP 15 *** 216
 CALCULATED SHUT IN: ISIP *** Error
 CALCULATED SHUT IN: SIP 5 *** 445
 CALCULATED SHUT IN: SIP 10 *** 323
 CALCULATED SHUT IN: SIP 15 *** 235
 CALCULATED SHUT IN: ISIP *** 687
 CALCULATED SHUT IN: SIP 5 *** 438
 CALCULATED SHUT IN: SIP 10 *** 328
 CALCULATED SHUT IN: SIP 15 *** 248
 CALCULATED SHUT IN: SIP 15 *** 247
 CALCULATED SHUT IN: ISIP *** 700
 CALCULATED SHUT IN: SIP 5 *** 462
 CALCULATED SHUT IN: SIP 10 *** 345
 CALCULATED SHUT IN: SIP 10 *** 342
 CALCULATED SHUT IN: SIP 15 *** 267

LOGGED DATA

	Comment	WHTPsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
09:05:10	PAUSED	10	2.0	2	2
09:05:26	Pmp H2O	10	1.8	25	25
09:12:20	Chk R&P	5	1.1	372	372
09:20:40	Chk R&P	5	0.8	699	699
09:24:16	Chk R&P	10	1.1	856	856
09:25:12	ISIP	5	0.0	895	895
09:25:14	ISIP	5	0.0	895	895
09:26:14	SIP 5	5	0.0	895	895
09:26:24	SIP 10	5	0.0	895	895
09:27:34	Pmp H2O	0	0.0	895	895
09:28:22	Chk R&P	10	2.1	944	944
09:28:24	Chk R&P	10	2.1	947	947
09:29:18	ZEROSUB	10	2.0	1025	1025
09:29:20	ZEROSUB	10	2.0	1	1028
09:37:54	Chk R&P	15	2.2	717	1743
09:41:04	Chk R&P	25	1.9	985	2011
09:47:04	Chk R&P	34	2.1	1457	2483
09:48:06	ISIP	37	0.0	1536	2562
09:51:12	SIP 5	5	0.0	1536	2562
09:51:30	Pmp H2O	25	3.9	1553	2579
09:52:26	Chk R&P	19	2.9	1662	2688
09:55:32	Chk R&P	131	3.0	1995	3021
10:01:10	Chk R&P	265	3.1	2700	3727
10:05:24	Chk R&P	295	3.0	3231	4257
10:08:46	Chk R&P	316	3.1	3645	4671
10:11:14	ISIP	166	0.0	3934	4960

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
10:12:38	SIP 5	5	0.5	3934	4960
10:12:40	SIP 5	5	0.0	3935	4961
10:12:50	Pmp H2O	5	0.4	3936	4963
10:14:18	ZEROSUB	360	4.1	1	5151
10:14:20	Chk R&P	362	4.2	6	5157
10:20:00	Chk R&P	466	4.1	994	6144
10:22:58	Chk R&P	485	4.2	1511	6661
10:33:08	ISIP	458	0.0	3268	8418
10:33:10	ISIP	327	0.0	3268	8418
10:33:46	ZEROSUB	196	0.0	0	8418
10:38:12	SIP 5	10	0.0	3	8421
10:38:14	SIP 5	5	0.0	3	8421
10:39:52	Pmp H2O	93	2.0	35	8454
10:40:24	Chk R&P	358	4.8	124	8542
10:46:26	Chk R&P	515	4.7	1324	9743
11:00:38	ISIP	396	0.0	4115	12533
11:03:08	ZEROSUB	144	0.0	0	12533
11:05:34	SIP 5	65	0.0	0	12533
11:10:30	SIP 10	20	0.0	0	12533
11:15:24	SIP 15	14	0.6	57	12590
11:15:56	Pmp H2O	10	0.6	70	12603
11:17:20	Pmp H2O	479	6.0	352	12885
11:17:32	Chk R&P	485	6.0	402	12935
11:30:40	Chk R&P	464	6.0	3674	16207
11:30:42	Chk R&P	465	6.0	3683	16216
11:35:40	Chk R&P	452	6.0	4926	17460
11:36:18	ISIP	311	0.0	5038	17571
11:41:02	SIP 5	10	0.6	5062	17595
11:41:18	ZEROSUB	10	0.7	0	17603
11:41:40	SIP 10	10	0.8	11	17614
11:42:20	Pmp H2O	83	2.7	49	17652
11:42:44	Pmp H2O	229	4.8	123	17726
11:44:02	Chk R&P	404	7.0	460	18063
11:46:06	Chk R&P	449	6.9	1069	18672
11:48:54	Chk R&P	465	6.9	1892	19495
11:53:04	Chk R&P	475	7.1	3117	20720
11:59:02	Chk R&P	474	6.9	4872	22475
12:02:20	ISIP	406	0.0	5796	23399
12:07:06	SIP 5	74	0.0	5796	23399
12:07:08	SIP 5	73	0.0	5796	23399
12:11:56	SIP 10	10	0.5	5823	23426
12:13:36	SIP 15	5	0.7	5867	23470
12:13:58	Pmp H2O	20	1.0	5879	23482
12:14:38	Pmp H2O	361	7.7	6017	23620
12:15:00	Chk R&P	434	8.1	6142	23745
12:22:18	Chk R&P	642	8.0	8629	26232
12:27:58	Chk R&P	656	8.1	10556	28159
12:33:46	Chk R&P	667	8.2	12527	30130
12:34:08	ISIP	549	0.0	12601	30204
12:38:58	SIP 5	236	0.0	12601	30204
12:44:14	SIP 10	103	0.0	12601	30204

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
12:44:16	SIP 10	102	0.0	12601	30204
12:49:10	SIP 15	28	0.0	12601	30204
12:49:36	Pmp H2O	98	2.0	12610	30213
12:50:54	Chk R&P	573	9.1	13027	30630
12:50:58	ZEROSUB	576	9.0	6	30654
12:54:42	Chk R&P	662	9.1	1426	32075
13:01:16	Chk R&P	708	9.1	3914	34563
13:01:18	Chk R&P	709	9.1	3928	34576
13:08:44	Chk R&P	737	9.1	6741	37390
13:09:08	ISIP	595	0.0	6834	37483
13:13:04	SIP 5	342	0.0	6834	37483
13:18:02	SIP 10	197	0.0	6834	37483
13:23:06	SIP 15	112	0.0	6834	37482
13:24:14	Pmp H2O	122	1.9	6837	37485
13:24:50	Chk R&P	536	9.5	6993	37642
13:29:22	Chk R&P	742	9.9	8890	39539
13:37:38	Chk R&P	777	9.9	12330	42979
13:43:06	Chk R&P	781	10.0	14602	45251
13:43:08	Chk R&P	782	9.9	14614	45263
13:44:18	ISIP	660	0.0	15033	45682
13:49:24	SIP 5	354	0.0	15033	45682
13:49:26	SIP 5	353	0.0	15033	45682
13:53:20	SIP 10	248	0.0	15033	45682
13:58:16	SIP 15	161	0.0	15033	45682
13:58:40	Pmp H2O	156	1.6	15033	45682
13:58:42	Pmp H2O	186	1.2	15035	45684
13:59:32	Chk R&P	662	10.9	15325	45974
14:02:16	Chk R&P	773	11.0	16594	47243
14:09:12	Chk R&P	811	11.1	19814	50463
14:18:48	Chk R&P	816	11.1	24253	54902
14:19:18	ISIP	650	0.0	24408	55056
14:24:02	SIP 5	395	0.0	24407	55056
14:29:04	SIP 10	263	0.0	24407	55056
14:33:52	SIP 15	180	0.0	24407	55056
14:34:14	Pmp H2O	174	0.0	24407	55056
14:36:10	Chk R&P	744	12.3	25054	55703
14:36:18	ZEROSUB	753	12.1	5	55772
14:39:12	Chk R&P	816	12.2	1496	57263
14:42:42	Chk R&P	833	12.3	3293	59061
14:52:40	Chk R&P	856	12.2	8408	64175
14:54:08	ISIP	669	0.0	9081	64848
14:54:10	ISIP	682	0.0	9081	64848
14:59:10	SIP 5	403	0.0	9081	64848
15:03:48	SIP 5	288	0.0	9081	64848
15:03:54	SIP 10	285	0.0	9081	64848
15:08:30	SIP 15	206	0.0	9081	64848
15:08:56	Pmp H2O	230	1.1	9082	64849
15:09:48	Chk R&P	708	13.1	9370	65137
15:28:16	Chk R&P	876	12.7	19324	75092
15:28:52	ISIP	697	0.0	19590	75358
15:33:02	SIP 5	444	0.0	19590	75358

Customer :WHITMAR

Lease :SWD#1

	Comment	WHTPpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga
15:33:04	SIP 5	444	0.0	19590	75358
15:33:12	SIP 5	439	0.0	19590	75358
15:38:44	SIP 10	303	0.0	19590	75358
15:43:54	SIP 15	215	0.0	19590	75358
15:44:12	Pmp H2O	210	0.0	19590	75358
15:44:20	ZEROSUB	210	0.0	0	75358
15:45:44	Chk R&P	788	14.0	496	75853
15:50:18	Chk R&P	882	14.0	3190	78548
15:50:28	Chk R&P	884	14.0	3287	78645
16:03:22	Chk R&P	907	13.9	10883	86240
16:04:06	ISIP	767	7.4	11288	86646
16:08:48	SIP 5	444	0.0	11426	86784
16:13:48	SIP 10	322	0.0	11426	86784
16:16:22	ZEROSUB	275	0.0	0	86784
16:19:00	SIP 15	235	0.0	0	86784
16:19:30	Pmp H2O	229	0.0	0	86784
16:20:08	Pmp H2O	410	5.2	45	86828
16:22:00	Chk R&P	866	15.1	1132	87916
16:23:16	Chk R&P	894	14.8	1935	88719
16:32:56	Chk R&P	948	14.9	8069	94852
16:39:36	Chk R&P	955	15.3	12304	99088
16:40:00	ISIP	751	2.5	12507	99290
16:45:08	SIP 5	437	0.0	12508	99292
16:50:02	SIP 10	327	0.0	12508	99292
16:54:58	SIP 15	248	0.0	12508	99292
16:55:00	SIP 15	247	0.0	12508	99292
16:56:36	Pmp H2O	225	0.0	12508	99292
16:56:42	ZEROSUB	225	0.0	12508	99292
16:57:48	Chk R&P	852	16.0	562	99854
17:04:46	Chk R&P	956	15.8	5190	104482
17:14:34	Chk R&P	974	15.8	11721	111013
17:15:46	Chk R&P	975	15.9	12521	111813
17:17:04	ISIP	723	0.0	13288	112580
17:21:46	SIP 5	461	0.0	13288	112580
17:26:50	SIP 10	346	0.0	13288	112580
17:27:00	SIP 10	342	0.0	13288	112580
17:31:46	SIP 15	266	0.0	13288	112580

POST JOB COMMENTS

Safety Meeting Conducted

Thank you for Using Superior Well Services

END OF REPORT

SUPERIOR WELL SERVICES

Prepared for
Mr. Mark Weigt
Whitmar Exploration Company
 555 17th Street Suite 880 Denver, Co. 80202
 303-991-9400
 303-991-9401

Ticket #246
1/9/2006



Prepared by
John Brown/Vernon Fitchette
Superior Well Services, Ltd.
 PO Box 1094, Vernal, UT 84078
 435-781-0266 - Office
 435-781-0270 - Fax

Whitmar SWD#1

Stimulation Service - Step Rate Test

Price Code	Description	Amount	Units of Sale	Unit Cost	Total Cost
30-200-0001	Mileage DOT Units - Stim - per unit, per mile, one way	480	ut-mi	\$ 6.20	\$ 2,976.00
30-200-0002	Mileage non-DOT Units - Stim - per job	120	ut-mi	\$ 3.50	\$ 420.00
30-260-1120	Blender 11-20 BPM - first 4 hours, per unit	3	unit	\$ 3,200.00	\$ 9,600.00
30-260-0001	Blender Additional - per unit, per hour	3	ut-hr	\$ 690.00	\$ 2,070.00
30-265-4000	HHP 0,000 to 4,000 psi - first 4 hours, per HHP	1500	HHP	\$ 8.00	\$ 12,000.00
30-265-4001	Additional Hours HHP 0,000 - 4,000 psi, per hour, per HHP	1500	HHP	\$ 3.20	\$ 4,800.00
30-299-2001	AccuDat Frac Van - each, per job	1	ea	\$ 1,000.00	\$ 1,000.00

Gross Price	\$	32,866.00
Net cost of Equipment with 30% discount	\$	23,006.20
Fuel Surcharge, 2% of net ticket	\$	460.12
Total Discounted Stimulation Cost	\$	23,466.32

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Detailed Results[Printable Version](#) [Quick Help](#)Tracking number 791836089711
Ship date Jan 18, 2006Destination
Service type
WeightSalt Lake City, UT
Priority Envelope
1.0 lbs.**Wrong Address?**
Reduce future mistal
[FedEx Address Chec](#)Status On FedEx vehicle for
delivery**Shipping Freight?**
FedEx has [LTL](#), [air fi](#)
[surface and air expe](#)
[multi piece package](#)
and [ocean freight](#).

Date/Time	Activity	Location	Details
Jan 20, 2006	7:46 AM On FedEx vehicle for delivery	SALT LAKE CITY, UT	
Jan 19, 2006	1:18 PM At local FedEx facility	SALT LAKE CITY, UT	
	1:17 PM Delivery exception	SALT LAKE CITY, UT	Package at station, arrived after courier dispatch
	1:15 PM At local FedEx facility	SALT LAKE CITY, UT	
	7:30 AM At dest sort facility	SALT LAKE CITY, UT	
	7:20 AM At local FedEx facility	WEST VALLEY, UT	
	5:17 AM At dest sort facility	SALT LAKE CITY, UT	
Jan 18, 2006	2:23 AM Departed FedEx location	OAKLAND, CA	
	11:42 PM Arrived at FedEx location	OAKLAND, CA	
	7:52 PM Left origin	DENVER, CO	
	11:25 AM Package data transmitted to FedEx		

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FedEx SmartPost
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7918 3608 9711

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Tracking number 791836089711
Ship date Jan 18, 2006
Destination Salt Lake City, UT
Service type Priority Envelope
Weight 1.0 lbs.
Status On FedEx vehicle for delivery

Wrong Address?
 Reduce future mistal
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Shipping Freight?
 FedEx has [LTL](#), [air fi](#)
[surface and air expe](#)
[multi piece package](#)
[and ocean freight.](#)

Date/Time	Activity	Location	Details
Jan 20, 2006	7:46 AM On FedEx vehicle for delivery	SALT LAKE CITY, UT	
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	7:20 AM At local FedEx facility	WEST VALLEY, UT	
	5:17 AM At dest sort facility	SALT LAKE CITY, UT	
Jan 18, 2006	2:23 AM Departed FedEx location	OAKLAND, CA	
	11:42 PM Arrived at FedEx location	OAKLAND, CA	
	7:52 PM Left origin	DENVER, CO	
	11:25 AM Package data transmitted to FedEx		

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English

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

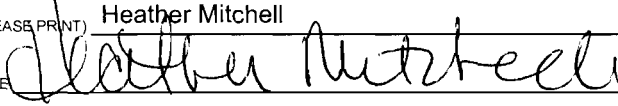
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-80556
2. NAME OF OPERATOR: WhitMar Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 880 Denver CO 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 946' FSL, 1008' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 34 13S 11E		8. WELL NAME and NUMBER: SWD #2 #1 9. API NUMBER: 4300730979 10. FIELD AND POOL, OR WILDCAT: undesignated
		COUNTY: Carbon STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/25/2006	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: First Injection

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well Completed and online. Date of 1st injection 1/25/06

NAME (PLEASE PRINT) Heather Mitchell	TITLE Administrative Assistant
SIGNATURE 	DATE 1/25/2006

(This space for State use only)

RECEIVED
JAN 26 2006

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, CO 80202-3908
(303) 991-9400
Fax (303) 991-9401

January 25, 2006

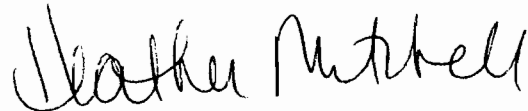
Carol Daniels
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84116

Re: East Helper Notice of First Production

Dear Ms. Daniels:

Please find the enclosed Notice of First Production on the 22-4, 26-2, 26-3, 27-1, 27-2, 27-3, 34-1, 34-2 and the SWD #2 wells in Utah. I will be sending the other requested information shortly. If you have any questions or concerns, please call me at 303-991-9400 ext. 100.

Sincerely,



Heather Mitchell

RECEIVED
JAN 26 2006
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU 805561a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other Injection Well6. If Indian, Allottee or Tribe Name
n/a7. Unit or CA Agreement Name and No.
n/a8. Lease Name and Well No.
SWD # 19. AFI Well No.
430073097910. Field and Pool, or Exploratory
Wildcat11. Sec., T., R., M., on Block and
Survey or Area **34-13S-11E**12. County or Parish **Carbon** 13. State
UT2. Name of Operator **WhitMar Exploration Company**3. Address **555 17th Street, Suite 880, Denver, CO 80202**3a. Phone No. (include area code)
303-991-9400

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **0946**
496' FSL, 1008' FELAt top prod. interval reported below **Same**At total depth **Same**14. Date Spudded
08/21/200515. Date T.D. Reached
09/03/200516. Date Completed **01/21/2006**
☐ D & A ☐ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
GL: 588518. Total Depth: MD ~~2900~~ **6380** *RA*
TVD ~~2900~~ **6380**19. Plug Back T.D.: MD
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Dual Induction & Neutron Density, CAL22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48	0	427	427	Prem + 525	110	0	0
12 1/4					2400	Lead 200			
						Tail 405			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8								

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Feron			5733-59		92	open
B) Feron			5772-77		190	open
C) Feron			5937-97		140	open
D) Feron			5998-6056		232	open

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

MAR 24 2006

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

n/a

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):

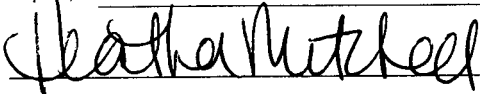
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Heather Mitchell**Title **Administrative Assistant**

Signature

Date **03/22/2006**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

555 17th Street, Suite 880
Denver, Colorado 80202-3908
Telephone 303-991-9400 • Fax 303-991-9401

survey @ 1.5 degrees out, 11:30 pm – 6:30 am drilled to 1517' run survey @ 1.2 degrees out, 6:30 am – 7 am drilled to 1583' . (ROP 24 hrs @ 70' / hr)

DC: \$ 45,362.53

CC: \$ 141,580.03

09/01/05

7 am -5 pm drilled to 2254 , 5 pm – 5:30 pm cleaned hole and run survey 5:30 pm – 8 pm round trip pipe for bit change, 8 pm – 10:30 pm drilled to 2300', & started 5' interval samples with 5 min circulation, 10:30 pm – 5:30 am drilled to 2359' hit stand at 2336' tested gas detection equipment with butane (ok) 5:30 am – 7 am hole in blow line pulled off bottom to 2000' for repairs

DC: \$ 47,892.70

CC: \$ 189,472.73

09/02/05

Drilling, at 2644'

7 am – 11 pm catching 5 ft samples and circulating 5 minutes intervals from 2367' to 2499' , 11 pm - 11:30 pm drilled from 2499' to 2509' pulled off bottom & shut down compressors rotated pipe 15 min , 11:30 pm – 12 am run back on bottom and started compressors up, showed 14 units background gas for a short time, 12 am – 7 am drilled to 2644' (shut down compressors @ 4:30 pm for 30 min for repairs)

DC: 33,641.08

CC: 223,116.81

09/03/05

Drilling, at 2900'

7 am – 11:30 am drilled to 2746, 11:30 am – 12 pm survey @ 2700' @ 1.9 degrees out, 12 pm – 3 pm drilled to 2786' took gas kick registered @ 1999 units & drilled to 2792' started losing penetration rate, 3 pm – 6 pm TOOH & changed bit, 6 pm – 8 pm TIH broke circulation started drilling 25' of fill, 8 pm – 2:30 am drilled to 2900' 2:30 am – 3:30 am worked pipe & circulate hole clean, 3:30 am – 4:30 am TOOH to 2300' started to fill hole w/450 bbls of 3 % KCL, 4:30 am – 5 am pumped all 450 bbls with no returns, TIH tagged fill @ 2840, 5 am – 6:30 am TOOH to log, 6:30 am – 7 am rig up loggers to log,

DC: \$43,944.60

CC: \$267,061.41

09/04/05

7 am – 11 am log well & rig down loggers, 11 am – 12:30 pm set up to run casing & retrieved wear bushing, 12:30 pm – 4 pm TIH with 9 5/8 K-55, 36# casing, 70 jts tagged fill @ 2831.16', 4 pm – 5:30 pm hooked up Halliburton to wash down fill, 5:30 pm – 7 pm safety meeting & test lines to 3000 PSI & started job 40 bbls super flush, 215 sks lead & 270 sks tail, 7 pm – 1 am Nipped down hydril stack & set casing slips & well head section B, 1 am – 7 am nipple up BOP tack & bond log intermediate casing, Gamm Ray tool quit & now one brought out lead hig fill/taillAG 300Amount 215 sks/270 sks_Cement Report rig up Halliburton, safety meeting, test lines to 3000 PSI, washed down 8' of fill & broke circulation after 115 bbls, pumped 40 bbls superflush , 10 bbls water spacer & 215 sks of hig fill cement (147 bbls) & 270 sks of AG 300 cement with 1% calcium chloride ¼ #/sks flocele, 10% cal seal, pumped lead @ yeield of 11. & tail @ 14.2 @ 7.9 BPM, displaced with 222 bbls fresh water @ 8.4 BPM & plug down tested @ 1500 PSI, 1.5 bbls flow back, superflush returns to surface.

DC: \$123,232.73

CC: \$390,294.14

09/05/05

7 am – 9:30 am CBL 9 5/8 casing, 9:30 am – 12:30 pm BOP test, choke line back up valve needed servicing & Kelly inline valve need cleaning to seal, 12:30 pm – 7 pm set up TIH with 8 3/4 long tooth bit to drill out plug & cement & 50' poly hole for air hammer, 7 pm – 10 pm trying to dry up hole, formation sluffing, 10 pm – 2 am made connection & started drilling @ 2911' – 2966', 2 am – 4 am TOOH, changed bit to air hammer, 4 am – 7 am TIH with air hammer hit fill @ 2903, drilling out

DC: \$36,688.00

CC: \$426,982.14

09/06/05

Drilling, at 3502'

7 am – 7:30 pm drilled from 2966' to 3256, 7:30 pm – 8 pm run survey @ 3208 @ 2.86 degrees out, 8 pm – 3 am drilled to 3433' working pipe between connections, 3 am – 4:30 am stuck pipe in hole, worked free, 4:30 am – 5:30 am circulated hole clean 1 hr, 5:30 am – 7 am drilled to 3502'

DC: \$23,413.00

CC: \$450,395.14

09/07/05

Drilling, at 3502'

7 am – 4:30 pm drilled from 3502' to 3910', 4:30 pm – 7 am picked up & made connection, hole sluffed in & stuck pipe, worked pipe, trying to get free, pulled in stages up to 200,000 #'s, air pressure climbed up to 1380 psi, bypassed compressors to lower pressure, called out free point crew, arrived @ 1:30 am rigged up & free pointed pipe, stuck @ 3263' (339' below casing), ordered out fishing tools & back off truck

DC: \$22,035.00

CC: \$472,430.14

09/08/05

Drilling, at 3910'

7 am – 12:30 pm waiting on back off truck & fishing tools, 12:30 pm – 3 pm set up & back off pipe @ 3170', 3 pm – 4:30 pm worked pipe & circulated fill off pipe, 4:30 pm – 7 pm TOOH, 7 pm – 11 pm TIH with fishing tools & fixed collars to catch fish, 11 pm – 12:30 am tried to circulate 150' of fill off fish, 12:30 am – 1:30 am run polymer sweep to help clean hole, 1:30 am – 3 am worked trying to break circulation, started mixing mud, 3 am – 5 am TOOH to 2804' & tried to pump mud, 5 am – 7 am pressuring up, back flushed pipe twice with no results, TOOH to clean out pipe restriction

DC: \$27,129.00

CC: \$499,559.14

09/09/05

Drilling, at 3910'

7 am – 9 am TOOH to unplug tools, 9 am – 10 am unplug catch sub & jars, 10 am – 1:30 pm TIH to wash fill & mud hole, 1:30 pm – 2:30 pm rig down air package & release, mixing mud 8.5 ppg & 40 VIS, 2:30 pm – 6 pm condition hole & build up viscosity of mud to 40 vis, 6 pm – 5:30 am reaming & conditioning hole for stabilization, running multiple gel sweeps @ 45+ viscosity to clean hole, 270' of tight hole & 150' of fill washed down to 70' from fish, 5:30 am – 7 am wait on storm to pass & run gel sweep & bar sweep & started out of hole

DC: \$46,683.51

CC: \$546,242.65

09/10/05

Drilling, at 3910'

7 am – 9:30 am TOOH, 9:30 am – 11 am waiting on bit sub, 11 am – 2 pm TIH with 8 ¾ tricone & jars, 2 pm – 7 am washed & reamed hole @ 3084' run multiple gel sweeps throughout this night to help pull out cuttings, & clean hole, started troquing up @ 3084'

DC: \$34,531.10

CC: \$580,773.75

09/11/05

Drilling, at 3910'

7 am – 9 am hit top of fish & run 270 vis.gel sweeps 9 am – 10 am circulated hole 1 hr, 10 am – 2 pm pulled off bottom 70' went back down & tagged 20' of fill on fish & washed down, 2 pm – 3 pm circulated hole 1 hr, 3 pm – 11 pm worked pipe 10' of fill each time, circulated & started building mud weight to hold back sluffing zone, 11 pm – 12 am run bayrite plug for drilling string & prepped to TOOH, 12 am – 4 am TOOH to lay down bit, worked tight spot @ 2908' 4 am – 7 am TIH with fishing tools checking all connections

DC: \$21,931.55 CC: \$602,705.30

09/12/05

Drilling, at 3910'

7 am – 7:30 am finished TIH, 7:30 am – 1:30 pm washed down to fish @ 3159' lower than we thought, 1:30 pm – 2:30 pm washed off top of fish & screwed into it., 2:30 pm – 5 pm jarred on fish made about 15', 5 pm – 5:30 pm shut down for rig inspection & safety meeting, 5:30 pm – 7:30 pm jarred on fish bumper, sub stopped working, unscrewed from fish & circulated hole, 7:30 pm – 7 am crewed into fish & jarred, made 45'

DC: \$18,0831.00 CC: \$620,788.40

09/13/05

Drilling, at 3910'

7 am – 8 am jarring on fish, 8 am – 8:30 am derrick inspection, 8:30 am – 10:30 am jarring on fish, 10:30 am – 11 am derrick inspection, 11 am – 1 pm jarring on fish, 1 pm – 1:30 derrick inspection, 1:30 pm – 3:30 pm jarring on fish, made 54', 3:30 pm – 6:30 pm jars quite, waiting on free point truck, 6:30 pm – 10:30 pm free point & back off pipe @ 3408', 10:30 pm – 11 pm set up to condition hole, 11 pm – 12:30 am circulate hole, 12:30 am – 3 am TOO H with fish, 3 am – 7 am rig broke down

DC: \$24,716.00 CC: \$645,504.40

09/14/05

Drilling, at 3910'

7 am – 10:30 am rig repairs, 10:30 am – 1 pm TOO H with 9 jts drill pipe & heavy weight, changed out jars, 1 pm – 3 pm TIH, 3 pm – 4 pm washed over top of fish, 4 pm – 7 am screwed inot fish & started jarring, mad 65' in 15 hrs

DC: \$25,936.81 CC: \$671,441.21

09/15/05

Drilling, at 3910'

7 am – 10:30 pm jarring on fish, 10:30 pm – 5 am fish came loose, worked fish out of hole slowly dragging @ 175,000 #'s out of hole, pulled inot shoe & filled hole w/mud, 5 am – 7 am laying down fish & sitting up to run in hole with bit & mud motor (.24 black max motor & 8 ¾ variel tricone bit)

DC: \$20,204.25 CC: \$673,441.27

09/16/05

Drilling, at 3910'

7 am – 12:30 pm put on bit & motor picked up collars & TIH, tagged @ 3220', 12:30 pm – 7 am washed back 690' of fill, cuttings are sand & clay, hole sticky & having to work pipe multiple times to free up hole for connection, cleaned out to 3591'

DC: \$19,797.00 CC: \$693,238.27

09/17/05

Drilling, at 4002'

7 am – 2:00 pm washing down fill and conditioning hole 2pm-7pm - Drilled to 3933' 7pm-7am – Drilled to 4002'. Ran 78 vis sweep @ 3953 & brought back clay and silt but did not pick up p rate, ordered out sapp will be in Saturday morning

DC: \$61,563.87 CC: \$754,802.14

09/18/05 Drilling, at 4010'

7am – 3pm Drilled to 4035' 3pm-4pm rig service, survey, pump 4pm –6:30pm Trip out of hole to change bits 6:30pm-10:30pm Back in hole with PDC bit laid down 3 jts to ream from 3942-4035 10:30-7am reaming from 32900' to 4035' tight hole; drilled to 4110'

DC: \$23,626.20 CC: \$778,428.34

09/19/05 Drilling, at 4517'

7am-7pm – Drilling from 4035-4517, Run 2 sweeps (1 every 12 hours) to keep hole clean. Rep. from 11.5' to 60' per hr., Hole in good condition, progress good.

DC: \$20,861.10 CC: \$799,289.44

09/20/05 Drilling, at 4517'

7 am – 7 pm drilled from 4517' to 4656' (ROP @ 11 ½ ' /hr with 9.7 ppg mud & 59 vis) run high bit sweep, cleaned up bit & hole, 7 pm – 7 am drilled from 4656' to 4790' ROP up & down between 30'/hr & 8 ft / hr with multiple drill break throughout day up to 40' / hr (ROP 11'/hr) average of 11 ¼ / hr through out day

DC: \$31,215.31 CC: \$830,504.75

09/21/05 Drilling, at 5032'

7 am – 4:30 pm drilled to 4907, 4:30 pm – 5 pm service rig, 5 pm – 7 pm drilled to 4932', 7 pm – 12 am lost mud pump #1 switched to back up went from 6 bbls / min to 3 bbls / min pump rate slowed down ROP, repaired & switched back to #1 pump, ROP @ 8'/hr, 12 am – 7 am drilled to 5032' (ROP @ 10'/hr avg., because of loss of mud pump #1 cut mud volume in half for drilling)

DC: \$19,535.00 CC: \$850,039.75

09/22/05 Drilling, at 5259'

7 am – 10:30 am drilled from 5032' to 5066', pumped high vis sweep to help clean hole, 10:30 am – 11:30 am swapped pump to #2 , 11:30 am – 2 pm drilled to 5105' & recalibrated #2 mud pump, 2 pm – 4 pm drilled to 5124' & serviced rig, 4 pm – 7 pm swapped back to #1 pump, checking calibrations, 7 pm – 7 am drilled from 5155' to 5259'

DC: \$ 21,911.00 CC: \$ 871,950.75

09/23/05 Drilling, at 5371'

7 am – 4 pm drilled to 5298' , & pumped high vis sweep to clean hole, 4 pm – 7 am drilled from 5298' to 5371' put 23,000# on bit & 48 RPMs to help with ROP , run 3 hrs with no results

DC: \$ 19,525.75 CC: \$ 891,476.50

09/24/05 Drilling, at 5445'

7 am – 8 am drilled to 5375', pumped high vis sweep around, 8 am – 12 pm TOO H & changed bit & motor, 12 pm – 1:30 pm TIH with collars & drilled string to 2614' & broke circulation, 1:30 pm -6:30 pm TIH to 5314' worked pipe up & down to 5375' pumped high vis sweep to clean hole, 6:30 pm – 11:30 pm drilled to 5386', 11:30 pm – 12:30 am worked on #1 pumped valves had trash in 2 valves_12:30 am – 7 am drilled to 5445'

DC: \$ 19,331.00 CC: \$ 910,807.50

09/25/05 Drilling, at 5746'

7 am – 11 am drilled from 5445' – 5466' formation change RIP up, 11 am – 3 pm drilled from 5466' – 5526', repairs on #2 mud pump done & tested, 3 pm – 2:30 am drilled from 5526' – 5690', 2:30 am – 5 am hooking up mud logging equipment, 5 am – 7 am drilled to 5746'

DC: \$ 31,769.34

CC: \$ 942,576.84

09/26/05

Drilling, at 6153'

7 am – 8:30 am drilled to 5752', run LCM sweep for lost circulation 10 bbls lost, 8:30 am – 1:30 pm drilled to 5837' run gel sweep to have clean hole, & rig serviced, 1:30 pm – 3:30 pm drilled to 5870' & run survey @ 5800' @ .96 degrees out, 3:30 pm – 7 am drilled to 6153, (rop dropped to 8'/hr from 3 am – 5:30 am, rop picked back up from 5:30 am – 7 am to 20'/hr spot check)

DC: \$ 21,693.00

CC: \$ 964,269.84

09/27/05

Drilling, at 6300'

7 am – 7 am drilling slow penetration rate for this formation, samples showing sand, wingate formation 4.7 ROP, drilled to 6300' by 7 am

DC: \$ 25,932.00

CC: \$ 990,201.84

09/28/05

Drilling, at 6380'

7 am – 6 pm drilled to 6380', called TD @ 6 pm, 6 pm – 7:30 pm circulated & condition hole, 7:30 pm – 8:30 pm pumped Baroid pill & TOO H to 2802' short trip, laid down 1 jt, 8:30 pm, - 10:30 pm worked tight spot @ 6290' to 6380', 11:30 pm - 2:30 am circulate hole, 2:30 am – 6 am TOO H standing back, 6 am – 7 am waiting on loggers

DC: \$ 26,696.15

CC: \$ 1,016,897.99

09/29/05

Drilling, at 6380'

7 am – 8:30 am waiting on loggers, 8:30 am – 9 am rig up loggers, 9 am – 12:30 pm open hole log, 12:30 pm – 1 pm rig up CBL tool, 1 pm – 4 pm logged 2831' surface, 4 pm – 7 pm TIH with pipe & slipped drill line, 7 pm – 7:30 pm pipe stingers broke down/repared, 7:30 pm – 9:30 pm TIH, 9:30 pm – 10:30 pm washed 5' fill & circulated 1 hr, 10:30 pm – 7 am working pipe to get free

DC: \$ 32,763.10

CC: \$ 1,049,966.10

09/30/05

Drilling, at 6380'

7 am – 9 am working pipe to get free parted @ about 2500', 9 am – 9:30 am tried to screw into part (no luck), 9:30 am - 12 pm TOO H to part checked all breaks 95 jts to fish @ 2969.70', 12 pm – 1 pm unload fishing tools, 1 pm – 3:30 pm TIH with over shot & hooked on fish 1st time, 3:30 pm – 7 pm waiting on free point truck, 7 pm – 11:30 pm rig up & free point pipe @ 5731' back off @ 5720', 1:30 pm – 12:30 am circulate hole clean 1 hr, 12:30 am - 1:30 am TOO H to fish, 130 am – 2:30 am break down overshot & broken jt, 2:30 am – 4 am TOO H with 29 strands below fish, 4 am – 5 am picked up jars & bumpersub, 5 am – 7 am TIH to catch fish @ 5720'

DC: \$ 38,390.52

CC: \$ 1,084,941.52

10/01/05 Drilling, at 6380'

7 am – 8:30 am finished TIH, 8:30 am – 10:30 am circulated hole clean, 10:30 am – 11:30 am hook on fish, 11:30 am – 2 pm jarred on fish making no head way, 2 pm – 4:30 pm circulated hole, 4:30 pm – 5:30 pm worked pipe down with bumper sub, 5:30 pm – 8 pm jarring on fish, 8 pm -9 pm pumped 30 bbls diesel, pumped plug to stuck spot, 9 pm – 9:30 pm worked pipe after 1 hr., 9:30 pm – 7 am put 4 rounds of torque & wait for diesel to soak worked pipe every hr

DC: \$ 30,075.36 CC: \$ 1,080,041.40

10/02/05 Drilling, at 6380'

7 am – 11 am worked pipe trying to get free, 11 am – 12 pm foam unit arrived, circulated diesel plug to pit, 12 pm – 1 pm set up foam unit & held safety meeting, 1 pm – 3 pm pumped around air plug 20 minutes to surface freeing up pipe, 3 pm – 6 pm circulated hole to condition & clean 6 pm – 8 pm TOOH to 2800' 8 pm – 9:30 pm waiting on casing crew to arrive, 9:30 pm – 10:30 pm rig up casing crew , 10:30 pm – 3:30 am laid down pipe, collars, & fishing tools 3:30 am – 5:30 am TIH with pipe in derrick 5:30 am – 7 am laying down pipe

DC: \$ 31,221.25 CC: \$ 1,146,238.11

10/03/05 Drilling, at 6380'

7 am – 8:30 am finished laying down casing, 8:30 am – 11:30 am rig up casing tongs & equip, 11:30 am – 4:30 pm TIH with 149 jts of J-55-26#-7" casing to 6359.49', 4:30 pm – 5 pm rig down casing crew & rigged up to circulate hole, 5 pm – 5:30 pm rig up Halliburton, safety meeting, 5:30 pm – 6:30 pm pumped 1 hr & prep to start job, 6:30 pm – 8:30 pm pump tail stag of cement 260 sks plu down & 1 bbls flow back, 8:30 pm – 12 am circulated hole with 20 bbls cement return s, 12 am – 2 am pumped 10 bbls water & 20 bbls superflush, 10 bbls water & 705 sks lead cement to surface 5 awaiting on Cameron to set casing slips, 5 am – 7 am set slips & cut off casing, released rig @ 7 am

DC: \$ 250,164.53 CC: \$ 1,396,402.64

10/04/05 Current Operations: Move Rig

7 am – 7 am tore down & moved 10 loads

DC: \$ 13,157.50 CC: \$ 1,409,560.14

10/06/05 Current Operations: Move Rig

7 am – 4 pm 13 trucks moving rig , 4 pm – 7 am no activity (3 loads left to be moved)

DC: \$ 14,975.00 CC: \$ 1,424,535.14

10/07/05 Current Operations: Move Rig

7 am – 12:30 pm move last 5 loads of pipe out, put up fence around pit, __ (install fence around pit on 34-1) (install fence around pit on 22-4)

DC: \$ 13,524.50 CC: \$ 1,438,059.64

10/08/05-11/27/05	Prepare for completion
11/28/05	Current Operations: Completion Set & install tank battery & catwalk & ladders
12/4/05	Current Operations: Completion 11 am-12:30 pm: Rig up and prep to pick up pipe 12:30 pm- 4 pm: Tripped and Hold @ TIH 3000 ft. 4 pm – 5 pm: Pick up tools and SDFN. Drained up pump and lines
12/5/05	Current Operations: Completion 8 am - 9 am: Start Rig and equipment 9 am – 11 am: TIH 11 am – 4 pm: Rigs Down, repairs 4 pm – 5:30 pm: Tag DV tool at 4910, Drilled out. 5:30 pm – 6:30 pm: Drained up pump and line, SDFN
12/6/05	Current Operations: Completion 7 am – 10 am: Start Rig and defrost BOP and wellhead. 10 am – 11:30 am: TIH and tagged up @ 6280 11:30 am – 5:30 pm: TOOH laying down 5:30 – 6:00 pm: Rig up Schlumberger 6:00-8:30 pm: Run CVL to 6280 8:30 pm – 9 pm: Rig down logger 9 pm – 9:30 pm: SDFN
12/7/05	Current Operations: Completion 8 am – 10 am: Start Rig and prep to rig down. 10 am – 12 pm: Nipple down BOP, nipple up wellhead 12 pm – 1 pm: Rig down and prep to move 1 pm – 2 pm: Clean up location and road rig to 27-3

12/26/05 Current Operations: **Completion**

Crew arrived at 1 pm, swabbed fluid to 4500', TOO H and SDFN

12/27/05 Current Operations: **Completion**

7 am – 9:30 am: Wait on perforators to arrive

9:30 am – 10:30 am: Waiting to get on to location road and dig up

10:30 am - 11: 30 am: Rig up Perforators

11:30 am – 6 pm: Perf. Well made 13 runs intervals 6110-6170, 5998-6056, 5837-5997, 5772-5817, 5735-5758.

6 pm- 6:30: Rig down perforators and SDFN

12/29/05 Current Operations: **Completion**

7 am – 8 am: serviced rig and start up

8 am – 12 pm: Swab, caught sample from wingate, recovered total of 200 BBL.S., pulled down to 2200'

12 pm - 2 pm: Moved tools and reset BP @ 6185, Packer @ 5709

2 pm – 5:30 pm: Swabbed on well to pull down fluid level

12/30/05 Current Operations: **Completion**

7AM-8AM: Serviced & Start up

8AM-9AM: Made 3 Swab runs, fluid level @ 1200', caught samples

9AM-9:30AM: Move tools, BP @ 5827', Packer @ 5709'

9:30AM-2PM: Swabbed on well, Fluid level @ 2200' caught samples

2PM-5PM: Caught BP & TOO H standing back, SWIF weekend returning on the 3rd

1/03/06 Current Operations: **Completion**

7AM-2:30AM: Travel from Farmington to Wellington

2:30PM-3:30PM: Serviced rig & start up

3:30PM-5PM: TIH with packer

5PM-5:30PM: Set Packer @ 5678' SDFN.

1/04/06

Current Operations: **Completion**

7 am-9 am: Waiting on Superior Well Service to arrive.

9 am-11 am: RU acid equipment.

11 am-11:30 am: Tested lines to 5200 psi.

11:30 am-2:30 pm: Started acid job. Started job at 4-8 bbl/minute at 1000-2475 prepad 2000 gal.

1st stage-pumped at 8bpm at 2200 psi/diverter 25sks at 100#/sk at 2500 lbs.

2nd stage-pumped 8bpm at 1000-1910 psi, pumped 500bbl fresh water to purge lines and fix leak. Started diverter 2500gal diverter @7.5bpm @1500lbs.

3rd stage-pumped 7bpm @ 1500-980 psi/diverter 7bbl/minute @ 980-1742 psi.

4th stage-pumped @ 6.45bpm 1742-1050 psi/diverter pumped @ 6.0bpm from 1050-4730 psi.

Shut down because of pressure. Waited on pressure to drop.

5th stage-pumped @ 2.2bpm 4300-2340 psi. Pumped flush @ 6.5 bpm and overflush @ 1267 psi, 1000 gal.

ISIP @ 760 lbs, 5 minutes 260 lbs, 10 minutes 142 lbs, 15 minutes 89 lbs. RD acid crew.

2:30 pm-5:30 pm: Swabbing well.

1/05/06

Current Operations: **Completion**

7AM-8AM: Service Rig and start up

8AM-5PM: Swabbed back 400 + BBLS fluid

1/06/06

Current Operations: **Completion**

7:00 am-8:00 am: Service rig and start up.

8:00 am-4:00 pm: Swabbing 300 bbl, total 300 bbl est.

4:00 pm-5:00 pm: Spot pump and tank for pressure test.

5:00 pm-5:30 pm: Fill tank with water and hook up to wellhead.

5:30 pm-7:00 pm: Pressure up to 1000 psi, bleed off in 5 min.

7:00 pm-7:30 pm: Pulled 15 strands to 4838, set packer and retested, bleed down.

7:30 pm-8:30 pm: Pulled up hole, 4 jts, set packer and retested, failed 4708 est.

8:30 pm-10:00 pm: TOOH, checked packer upper rubber & lower rubber, scared up possible problem.

10:00 pm-10:30 pm: Drained up pump and lines, SDFN.

1/07/06

Current Operations: **Completion**

7:00 am-8:00 am: Service rig and start up.

8:00 am-10:00 am: TIH w/BP and found split collar on tbg, changed out, TIH and set up BP @ 5735, set up to pressure test casing (7").

10:00 am-11:00 am: Pressure tested tbg to 1000 psi, hold for 15 minutes.

11:00 am-11:30 am: TIH to tag fill, tagged @ 6120'.

11:30 am-1:00 pm: TOOH and laid down BP.

1:00 pm-1:30 pm: Winch.

1:30 pm-4:00 pm: TIH to clean out fill.

4:00 pm-5:00 pm: Circulated bottoms with fresh water.

5:00 pm-6:00 pm: Drained up pump and lines and SDFN

1/08/06

Current Operations: **Completion**

7:00 am-8:00 am: Service rig and start up.

8:00 am-9:00 am: TIH and tagged, no fill.

9:00 am-11:00 am: TOOH laying down.

11:00 am-12:30 pm: RU wire line service to set pressure bombs down hole @ 6200'.

12:30 pm-1:00 pm: RD wire line crew and SWFN and SD.

1/12/06

Current Operations: **Completion**

12PM-4PM: Rigged up wire line & retrieved downhole press bombs

1/13/06

Current Operations: **Completion**

7AM-11AM: Waiting on 3 1/2 elevators to arrive

11AM-5PM: TIH with 3 1/2, 9.3#"S plastic coated pipe with packer & XO nipple

5PM-6PM: SWIFN, loaded trailer with last of 3 1/2 pipe

1/14/06

Current Operations: **Completion**

7AM-8AM: Serviced rig & start up

8AM-9:30AM: TIH with last of 3 1/2 tubing

9:30AM-11AM: nipped down BOP & stripping rubber

11AM-12PM: LUNCH & waiting on wellhead to arrive

12PM-1PM: set packer & landed tubing @ 5712'

1PM-1:30PM: rig down floor & prep to set up well head

1:30PM-2PM: Pressure tested wellhead to 5000#S

2PM-2:30PM: filled casing and prepped to test

2:30PM-2:40PM: Pressured up on casing 1000#S

2:40PM- 4:40PM: 1000#S held for 1 HR. witnessed by Mark Jones of Dogma.

3:40PM-4PM: Rig down testers

4PM-5PM: Rig Down rig and released

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other										6. If Indian, Allottee or Tribe Name n/a	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other <u>Injection Well</u>										7. Unit or CA Agreement Name and No. n/a	
2. Name of Operator WhitMar Exploration Company										8. Lease Name and Well No. SWD # 1	
3. Address 555 17th Street, Suite 880, Denver, CO 80202					3a. Phone No. (include area code) 303-991-9400					9. AFI Well No. 4300730979	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 0946 496' FSL, 1008' FEL At top prod. interval reported below Same At total depth Same 6380 TD Driller										10. Field and Pool, or Exploratory Wildcat	
14. Date Spudded 08/21/2005			15. Date T.D. Reached 09/03/2005			16. Date Completed 01/21/2006 <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.			17. Elevations (DF, RKB, RT, GL)* GL: 5885		
18. Total Depth: MD 2900 TVD 2900					19. Plug Back T.D.: MD TVD			20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Dual Induction & Neutron Density, CBL										22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
17 1/2	13 3/8	48	0	427	427	Prem + 525	110	0	0		
12 1/4	?	?	?	?	2400	Lead 200 type	?	?	?		
Corrosion?											
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2 7/8											
25. Producing Intervals					26. Perforation Record						
Formation			Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status		
A) Feron					5733-59			92	open		
B) Feron					5772-77			190	open		
C) Feron					5937-97			140	open		
D) Feron					5998-6056			232	open		
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval			Amount and Type of Material								
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
			→								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→								
28a. Production - Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
			→								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→								

*(See instructions and spaces for additional data on page 2)

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

n/a

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
			7		

32. Additional remarks (include plugging procedure):

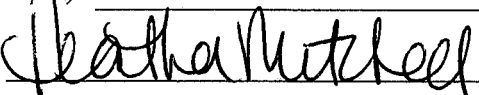
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Heather Mitchell**Title **Administrative Assistant**

Signature

Date **03/22/2006**

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, Colorado 80202-3908
Telephone 303-991-9400 • Fax 303-991-9401

SWD #1
Section 34-T13S-R11E

API Number: 43-007-30979
Carbon County, Utah

DAILY OPERATIONS

08/20/05 7 am – 7 am move in equipment and set up to drill, & waited for liner to be installed in the pit.
DC: \$29,462.00 CC: \$29,462.00

08/21/05 6:30 am – 7 am service equipment & prep to drill, 7 am – 9:30 am drilled 16" hole, 9:30 am – 1 pm TOOH & set hole plug of Bentinite chips & welded on flange for diverter head, 1 pm – 6:30 am drilled 11" hole to 385'
DC: \$19,713.25 CC: \$49,175.25

08/22/05 7 am – 8:30 am drilled to 400', 8:30 am – 9:30 pm work pipe coming out of hole, 100' left in hole, 9:30 pm – 6:30 am clutch repair on rig, 6:30 am – 7 am work pipe out of hole.
DC: \$1,761.25 CC: 50,936.50

08/23/05 7 am-9 am, Filled out of hole. 9 am-11:30 am, Set 40' of 18" conductor & cemented in with 25SKS of quick crate. 11:30 am-2:30 pm, Weld on Diverter flange & TIH to start Drilling 2:30 pm-9 pm, Drilled to 140' 7 pm-7 am, Drilled to 320'
DC: \$ 2,301.25 CC: \$ 53,237.75

08/24/05 7 am – 1 pm ream out hole to 430', 1 pm – 3 pm TOOH, 3 pm – 8 pm RIH with 13 3/8 casing to, 8 pm – 10 pm waiting on cement, 10 pm – 11:30 pm rig up & test lines, 11:30 pm – 1 am pumped cement & rig Halliburton down & released rig.
DC: \$ 34,998.90 CC: \$ 88,236.65

08/27/05 7 am – 12 pm clean location & prep for rat hole rig, 12 pm – 2 pm drilled mouse & rat hole & case, 2 pm – 7 pm dug & set collar, weld on weld head.
DC: \$ 4,605.00 CC: \$ 4,605.00

08/28/05 7 am – 7 am move in & rig up
DC: \$ 70,745.00 CC: \$ 75,010.00

08/30/05 7 am – 1 pm rigging up rig, 1 pm – 2:30 pm BOP test, 2:30 pm – 7 am rigging up & working on line repair & set, TIH with collars.
DC: \$ 21,207.50 CC: \$ 96,217.50

08/31/05 7 am – 9 am set up to drill, 9 am – 12 pm drilled cement, & drilled to 504' run survey @ 1.3 degrees out, 12 pm – 2:30 pm TOOH to change bit, 2:30 pm – 4 pm TIH with air hammer, 4 pm – 5 pm shut down and unplugged blow line, & service rig, 5 pm – 11:30 pm drilled to 1014' run

survey @ 1.5 degrees out, 11:30 pm – 6:30 am drilled to 1517' run survey @ 1.2 degrees out, 6:30 am – 7 am drilled to 1583' . (ROP 24 hrs @ 70' / hr)

DC: \$ 45,362.53

CC: \$ 141,580.03

09/01/05

7 am -5 pm drilled to 2254 , 5 pm – 5:30 pm cleaned hole and run survey 5:30 pm – 8 pm round trip pipe for bit change, 8 pm – 10:30 pm drilled to 2300', & started 5' interval samples with 5 min circulation, 10:30 pm – 5:30 am drilled to 2359' hit stand at 2336' tested gas detection equipment with butane (ok) 5:30 am – 7 am hole in blow line pulled off bottom to 2000' for repairs

DC: \$ 47,892.70

CC: \$ 189,472.73

09/02/05

Drilling, at 2644'

7 am – 11 pm catching 5 ft samples and circulating 5 minutes intervals from 2367' to 2499' , 11 pm - 11:30 pm drilled from 2499' to 2509' pulled off bottom & shut down compressors rotated pipe 15 min , 11:30 pm – 12 am run back on bottom and started compressors up, showed 14 units background gas for a short time, 12 am – 7 am drilled to 2644' (shut down compressors @ 4:30 pm for 30 min for repairs)

DC: 33,641.08

CC: 223,116.81

09/03/05

Drilling, at 2900'

7 am – 11:30 am drilled to 2746, 11:30 am – 12 pm survey @ 2700' @ 1.9 degrees out, 12 pm – 3 pm drilled to 2786' took gas kick registered @ 1999 units & drilled to 2792' started loosening penetration rate, 3 pm – 6 pm TOOH & changed bit, 6 pm – 8 pm TIH broke circulation started drilling 25' of fill, 8 pm – 2:30 am drilled to 2900' 2:30 am – 3:30 am worked pipe & circulate hole clean, 3:30 am – 4:30 am TOOH to 2300' started to fill hole w/450 bbls of 3 % KCL, 4:30 am – 5 am pumped all 450 bbls with no returns, TIH tagged fill @ 2840, 5 am – 6:30 am TOOH to log, 6:30 am – 7 am rig up loggers to log,

DC: \$43,944.60

CC: \$267,061.41

09/04/05

7 am – 11 am log well & rig down loggers, 11 am – 12:30 pm set up to run casing & retrieved wear bushing, 12:30 pm – 4 pm TIH with 9 5/8 K-55, 36# casing, 70 jts tagged fill @ 2831.16', 4 pm – 5:30 pm hooked up Halliburton to wash down fill, 5:30 pm – 7 pm safety meeting & test lines to 3000 PSI & started job 40 bbls super flush, 215 sks lead & 270 sks tail, 7 pm – 1 am Nippled down hydril stack & set casing slips & well head section B, 1 am – 7 am nipple up BOP tack & bond log intermediate casing, Gamm Ray tool quit & now one brought out lead hig fill/taillAG 300Amount 215 sks/270 sks Cement Report rig up Halliburton, safety meeting, test lines to 3000 PSI, washed down 8' of fill & broke circulation after 115 bbls, pumped 40 bbls superflush , 10 bbls water spacer & 215 sks of hig fill cement (147 bbls) & 270 sks of AG 300 cement with 1% calcium chloride ¼ #/sks flocele, 10% cal seal, pumped lead @ yeield of 11. & tail @ 14.2 @ 7.9 BPM, displaced with 222 bbls fresh water @ 8.4 BPM & plug down tested @ 1500 PSI, 1.5 bbls flow back, superflush returns to surface.

DC: \$123,232.73

CC: \$390,294.14

09/05/05

7 am – 9:30 am CBL 9 5/8 casing, 9:30 am – 12:30 pm BOP test, choke line back up valve needed servicing & Kelly inline valve need cleaning to seal, 12:30 pm – 7 pm set up TIH with 8 3/4 long tooth bit to drill out plug & cement & 50' poly hole for air hammer, 7 pm – 10 pm trying to dry up hole, formation sluffing, 10 pm – 2 am made connection & started drilling @ 2911' – 2966', 2 am – 4 am TOOH, changed bit to air hammer, 4 am – 7 am TIH with air hammer hit fill @ 2903, drilling out

DC: \$36,688.00

CC: \$426,982.14

09/06/05

Drilling, at 3502'

7 am – 7:30 pm drilled from 2966' to 3256, 7:30 pm – 8 pm run survey @ 3208 @ 2.86 degrees out, 8 pm – 3 am drilled to 3433' working pipe between connections, 3 am – 4:30 am stuck pipe in hole, worked free, 4:30 am – 5:30 am circulated hole clean 1 hr, 5:30 am – 7 am drilled to 3502'

DC: \$23,413.00

CC: \$450,395.14

09/07/05

Drilling, at 3502'

7 am – 4:30 pm drilled from 3502' to 3910', 4:30 pm – 7 am picked up & made connection, hole sluffed in & stuck pipe, worked pipe, trying to get free, pulled in stages up to 200,000 #'s, air pressure climbed up to 1380 psi, bypassed compressors to lower pressure, called out free point crew, arrived @ 1:30 am rigged up & free pointed pipe, stuck @ 3263' (339' below casing), ordered out fishing tools & back off truck

DC: \$22,035.00

CC: \$472,430.14

09/08/05

Drilling, at 3910'

7 am – 12:30 pm waiting on back off truck & fishing tools, 12:30 pm – 3 pm set up & back off pipe @ 3170', 3 pm – 4:30 pm worked pipe & circulated fill off pipe, 4:30 pm – 7 pm TOO H, 7 pm – 11 pm TIH with fishing tools & fixed collars to catch fish, 11 pm – 12:30 am tried to circulate 150' of fill off fish, 12:30 am – 1:30 am run polymer sweep to help clean hole, 1:30 am – 3 am worked trying to break circulation, started mixing mud, 3 am – 5 am TOO H to 2804' & tried to pump mud, 5 am – 7 am pressuring up, back flushed pipe twice with no results, TOO H to clean out pipe restriction

DC: \$27,129.00

CC: \$499,559.14

09/09/05

Drilling, at 3910'

7 am – 9 am TOO H to unplug tools, 9 am – 10 am unplug catch sub & jars, 10 am – 1:30 pm TIH to wash fill & mud hole, 1:30 pm – 2:30 pm rig down air package & release, mixing mud 8.5 ppg & 40 VIS, 2:30 pm – 6 pm condition hole & build up viscosity of mud to 40 vis, 6 pm – 5:30 am reaming & conditioning hole for stabilization, running multiple gel sweeps @ 45+ viscosity to clean hole, 270' of tight hole & 150' of fill washed down to 70' from fish, 5:30 am – 7 am wait on storm to pass & run gel sweep & bar sweep & started out of hole

DC: \$46,683.51

CC: \$546,242.65

09/10/05

Drilling, at 3910'

7 am – 9:30 am TOO H, 9:30 am – 11 am waiting on bit sub, 11 am – 2 pm TIH with 8 ¾ tricone & jars, 2 pm – 7 am washed & reamed hole @ 3084' run multiple gel sweeps throughout this night to help pull out cuttings, & clean hole, started troquing up @ 3084'

DC: \$34,531.10

CC: \$580,773.75

09/11/05

Drilling, at 3910'

7 am – 9 am hit top of fish & run 270 vis. gel sweeps 9 am – 10 am circulated hole 1 hr, 10 am – 2 pm pulled off bottom 70' went back down & tagged 20' of fill on fish & washed down, 2 pm – 3 pm circulated hole 1 hr, 3 pm – 11 pm worked pipe 10' of fill each time, circulated & started building mud weight to hold back sluffing zone, 11 pm – 12 am run bayrite plug for drilling string & prepped to TOO H, 12 am – 4 am TOO H to lay down bit, worked tight spot @ 2908' 4 am – 7 am TIH with fishing tools checking all connections

DC: \$21,931.55 CC: \$602,705.30

09/12/05

Drilling, at 3910'

7 am – 7:30 am finished TIH, 7:30 am – 1:30 pm washed down to fish @ 3159' lower than we thought, 1:30 pm – 2:30 pm washed off top of fish & screwed into it., 2:30 pm – 5 pm jarred on fish made about 15', 5 pm – 5:30 pm shut down for rig inspection & safety meeting, 5:30 pm – 7:30 pm jarred on fish bumper, sub stopped working, unscrewed from fish & circulated hole, 7:30 pm – 7 am crewed into fish & jarred, made 45'

DC: \$18,0831.00 CC: \$620,788.40

09/13/05

Drilling, at 3910'

7 am – 8 am jarring on fish, 8 am – 8:30 am derrick inspection, 8:30 am – 10:30 am jarring on fish, 10:30 am – 11 am derrick inspection, 11 am – 1 pm jarring on fish, 1 pm – 1:30 derrick inspection, 1:30 pm – 3:30 pm jarring on fish, made 54', 3:30 pm – 6:30 pm jars quite, waiting on free point truck, 6:30 pm – 10:30 pm free point & back off pipe @ 3408', 10:30 pm – 11 pm set up to condition hole, 11 pm – 12:30 am circulate hole, 12:30 am – 3 am TOOH with fish, 3 am – 7 am rig broke down

DC: \$24,716.00 CC: \$645,504.40

09/14/05

Drilling, at 3910'

7 am – 10:30 am rig repairs, 10:30 am – 1 pm TOOH with 9 jts drill pipe & heavy weight, changed out jars, 1 pm – 3 pm TIH, 3 pm – 4 pm washed over top of fish, 4 pm – 7 am screwed inot fish & started jarring, mad 65' in 15 hrs

DC: \$25,936.81 CC: \$671,441.21

09/15/05

Drilling, at 3910'

7 am – 10:30 pm jarring on fish, 10:30 pm – 5 am fish came loose, worked fish out of hole slowly dragging @ 175,000 #'s out of hole, pulled inot shoe & filled hole w/mud, 5 am – 7 am laying down fish & sitting up to run in hole with bit & mud motor (.24 black max motor & 8 ¾ variel tricone bit)

DC: \$20,204.25 CC: \$673,441.27

09/16/05

Drilling, at 3910'

7 am – 12:30 pm put on bit & motor picked up collars & TIH, tagged @ 3220', 12:30 pm – 7 am washed back 690' of fill, cuttings are sand & clay, hole sticky & having to work pipe multiple times to free up hole for connection, cleaned out to 3591'

DC: \$19,797.00 CC: \$693,238.27

09/17/05

Drilling, at 4002'

7 am – 2:00 pm washing down fill and conditioning hole 2pm-7pm - Drilled to 3933' 7pm-7am – Drilled to 4002'. Ran 78 vis sweep @ 3953 & brought back clay and silt but did not pick up p rate, ordered out sapp will be in Saturday morning

DC: \$61,563.87 CC: \$754,802.14

09/18/05

Drilling, at 4010'

7am – 3pm Drilled to 4035' 3pm-4pm rig service, survey, pump 4pm –6:30pm Trip out of hole to change bits 6:30pm-10:30pm Back in hole with PDC bit laid down 3 jts to ream from 3942-4035 10:30-7am reaming from 32900' to 4035' tight hole; drilled to 4110'

DC: \$23,626.20

CC: \$778,428.34

09/19/05

Drilling, at 4517'

7am-7pm – Drilling from 4035-4517, Run 2 sweeps (1 every 12 hours) to keep hole clean. Rep. from 11.5' to 60' per hr., Hole in good condition, progress good.

DC: \$20,861.10

CC: \$799,289.44

09/20/05

Drilling, at 4517'

7 am – 7 pm drilled from 4517' to 4656' (ROP @ 11 ½ ' /hr with 9.7 ppg mud & 59 vis) run high bit sweep, cleaned up bit & hole, 7 pm – 7 am drilled from 4656' to 4790' ROP up & down between 30'/hr & 8 ft / hr with multiple drill break throughout day up to 40' / hr (ROP 11'/hr) average of 11 ¼ / hr through out day

DC: \$31,215.31

CC: \$830,504.75

09/21/05

Drilling, at 5032'

7 am – 4:30 pm drilled to 4907, 4:30 pm – 5 pm service rig, 5 pm – 7 pm drilled to 4932', 7 pm – 12 am lost mud pump #1 switched to back up went from 6 bbls / min to 3 bbls / min pump rate slowed down ROP, repaired & switched back to #1 pump, ROP @ 8'/hr, 12 am – 7 am drilled to 5032' (ROP @ 10'/hr avg., because of loss of mud pump #1 cut mud volume in half for drilling)

DC: \$19,535.00

CC: \$850,039.75

09/22/05

Drilling, at 5259'

7 am – 10:30 am drilled from 5032' to 5066', pumped high vis sweep to help clean hole, 10:30 am – 11:30 am swapped pump to #2 , 11:30 am – 2 pm drilled to 5105' & recalibrated #2 mud pump, 2 pm – 4 pm drilled to 5124' & serviced rig, 4 pm – 7 pm swapped back to #1 pump, checking calibrations, 7 pm – 7 am drilled from 5155' to 5259'

DC: \$ 21,911.00

CC: \$ 871,950.75

09/23/05

Drilling, at 5371'

7 am – 4 pm drilled to 5298' , & pumped high vis sweep to clean hole, 4 pm – 7 am drilled from 5298' to 5371' put 23,000# on bit & 48 RPMs to help with ROP , run 3 hrs with no results

DC: \$ 19,525.75

CC: \$ 891,476.50

09/24/05

Drilling, at 5445'

7 am – 8 am drilled to 5375', pumped high vis sweep around, 8 am – 12 pm TOOH & changed bit & motor, 12 pm – 1:30 pm TIH with collars & drilled string to 2614' & broke circulation, 1:30 pm -6:30 pm TIH to 5314' worked pipe up & down to 5375' pumped high vis sweep to clean hole, 6:30 pm – 11:30 pm drilled to 5386', 11:30 pm – 12:30 am worked on #1 pumped valves had trash in 2 valves_12:30 am – 7 am drilled to 5445'

DC: \$ 19,331.00

CC: \$ 910,807.50

09/25/05

Drilling, at 5746'

WhitMar Exploration Company, 555 17th Street, Denver, CO 80202, 303-991-9400

7 am – 11 am drilled from 5445' – 5466' formation change RIP up, 11 am – 3 pm drilled from 5466' – 5526' , repairs on #2 mud pump done & tested, 3 pm – 2:30 am drilled from 5526' – 5690', 2:30 am – 5 am hooking up mud logging equipment, 5 am – 7 am drilled to 5746'

DC: \$ 31,769.34

CC: \$ 942,576.84

09/26/05

Drilling, at 6153'

7 am – 8:30 am drilled to 5752', run LCM sweep for lost circulation 10 bbls lost , 8:30 am – 1:30 pm drilled to 5837' run gel sweep to have clean hole, & rig serviced, 1:30 pm – 3:30 pm drilled to 5870' & run survey @ 5800' @ .96 degrees out, 3:30 pm – 7 am drilled to 6153, (rop dropped to 8'/hr from 3 am – 5:30 am , rop picked back up from 5:30 am – 7 am to 20'/hr spot check)

DC: \$ 21,693.00

CC: \$ 964,269.84

09/27/05

Drilling, at 6300'

7 am – 7 am drilling slow penetration rate for this formation , samples showing sand, wingate formation 4.7 ROP, drilled to 6300' by 7 am

DC: \$ 25,932.00

CC: \$ 990,201.84

09/28/05

Drilling, at 6380'

7 am – 6 pm drilled to 6380', called TD @ 6 pm, 6 pm – 7:30 pm circulated & condition hole, 7:30 pm – 8:30 pm pumped Baroid pill & TOO H to 2802' short trip, laid down 1 jt, 8:30 pm, - 10:30 pm worked tight spot @ 6290' to 6380', 11:30 pm - 2:30 am circulate hole, 2:30 am – 6 am TOO H standing back, 6 am – 7 am waiting on loggers

DC: \$ 26,696.15

CC: \$ 1,016,897.99

09/29/05

Drilling, at 6380'

7 am – 8:30 am waiting on loggers, 8:30 am – 9 am rig up loggers, 9 am – 12:30 pm open hole log, 12:30 pm – 1 pm rig up CBL tool, 1 pm – 4 pm logged 2831' surface, 4 pm – 7 pm TIH with pipe & slipped drill line, 7 pm – 7:30 pm pipe stingers broke down/repared, 7:30 pm – 9:30 pm TIH, 9:30 pm – 10:30 pm washed 5' fill & circulated 1 hr, 10:30 pm – 7 am working pipe to get free

DC: \$ 32,763.10

CC: \$ 1,049,966.10

09/30/05

Drilling, at 6380'

7 am – 9 am working pipe to get free parted @about 2500', 9 am – 9:30 am tried to screw into part (no luck), 9:30 am - 12 pm TOO H to part checked all breaks 95 jts to fish @ 2969.70', 12 pm – 1 pm unload fishing tools, 1 pm – 3:30 pm TIH with over shot & hooked on fish 1st time, 3:30 pm – 7 pm waiting on free point truck, 7 pm – 11:30 pm rig up & free point pipe @ 5731' back off @ 5720', 1:30 pm – 12:30 am circulate hole clean 1 hr, 12:30 am -1:30 am TOO H to fish, 130 am – 2:30 am break down overshot & broken jt, 2:30 am – 4 am TOO H with 29 strands below fish, 4 am – 5 am picked up jars & bumpersub, 5 am – 7 am TIH to catch fish @ 5720'

DC: \$ 38,390.52

CC: \$ 1,084,941.52

10/01/05

Drilling, at 6380'

7 am – 8:30 am finished TIH, 8:30 am – 10:30 am circulated hole clean, 10:30 am – 11:30 am hook on fish, 11:30 am – 2 pm jarred on fish making no head way, 2 pm – 4:30 pm circulated hole, 4:30 pm – 5:30 pm worked pipe down with bumper sub, 5:30 pm – 8 pm jarring on fish, 8 pm -9 pm pumped 30 bbls diesel, pumped plug to stuck spot, 9 pm – 9:30 pm worked pipe after 1 hr., 9:30 pm – 7 am put 4 rounds of torque & wait for diesel to soak worked pipe every hr

DC: \$ 30,075.36

CC: \$ 1,080,041.40

10/02/05

Drilling, at 6380'

7 am – 11 am worked pipe trying to get free, 11 am – 12 pm foam unit arrived, circulated diesel plug to pit, 12 pm – 1 pm set up foam unit & held safety meeting, 1 pm – 3 pm pumped around air plug 20 minutes to surface freeing up pipe, 3 pm – 6 pm circulated hole to condition & clean 6 pm – 8 pm TOOH to 2800' 8 pm – 9:30 pm waiting on casing crew to arrive, 9:30 pm – 10:30 pm rig up casing crew, 10:30 pm – 3:30 am laid down pipe, collars, & fishing tools 3:30 am – 5:30 am TIH with pipe in derrick 5:30 am – 7 am laying down pipe

DC: \$ 31,221.25

CC: \$ 1,146,238.11

10/03/05

Drilling, at 6380'

7 am – 8:30 am finished laying down casing, 8:30 am – 11:30 am rig up casing tongs & equip, 11:30 am – 4:30 pm TIH with 149 jts of J-55-26#-7" casing to 6359.49', 4:30 pm – 5 pm rig down casing crew & rigged up to circulate hole, 5 pm – 5:30 pm rig up Halliburton, safety meeting, 5:30 pm – 6:30 pm pumped 1 hr & prep to start job, 6:30 pm – 8:30 pm pump tail stag of cement 260 sks plu down & 1 bbls flow back, 8:30 pm – 12 am circulated hole with 20 bbls cement return s, 12 am – 2 am pumped 10 bbls water & 20 bbls superflush, 10 bbls water & 705 sks lead cement to surface 5 awaiting on Cameron to set casing slips, 5 am – 7 am set slips & cut off casing, released rig @ 7 am

DC: \$ 250,164.53

CC: \$ 1,396,402.64

10/04/05

Current Operations: Move Rig

7 am – 7 am tore down & moved 10 loads

DC: \$ 13,157.50

CC: \$ 1,409,560.14

10/06/05

Current Operations: Move Rig

7 am – 4 pm 13 trucks moving rig, 4 pm – 7 am no activity (3 loads left to be moved)

DC: \$ 14,975.00

CC: \$ 1,424,535.14

10/07/05

Current Operations: Move Rig

7 am – 12:30 pm move last 5 loads of pipe out, put up fence around pit, ___ (install fence around pit on 34-1) (install fence around pit on 22-4)

DC: \$ 13,524.50

CC: \$ 1,438,059.64

10/08/05-11/27/05	Prepare for completion
11/28/05	<p>Current Operations: Completion</p> <p>Set & install tank battery & catwalk & ladders</p>
12/4/05	<p>Current Operations: Completion</p> <p>11 am-12:30 pm: Rig up and prep to pick up pipe</p> <p>12:30 pm- 4 pm: Tripped and Hold @ TIH 3000 ft.</p> <p>4 pm – 5 pm: Pick up tools and SDFN. Drained up pump and lines</p>
12/5/05	<p>Current Operations: Completion</p> <p>8 am - 9 am: Start Rig and equipment</p> <p>9 am – 11 am: TIH</p> <p>11 am – 4 pm: Rigs Down, repairs</p> <p>4 pm – 5:30 pm: Tag DV tool at 4910, Drilled out.</p> <p>5:30 pm – 6:30 pm: Drained up pump and line, SDFN</p>
12/6/05	<p>Current Operations: Completion</p> <p>7 am – 10 am: Start Rig and defrost BOP and wellhead.</p> <p>10 am – 11:30 am: TIH and tagged up @ 6280</p> <p>11:30 am – 5:30 pm: TOOH laying down</p> <p>5:30 – 6:00 pm: Rig up Schlumberger</p> <p>6:00-8:30 pm: Run CVL to 6280</p> <p>8:30 pm – 9 pm: Rig down logger</p> <p>9 pm – 9:30 pm: SDFN</p>
12/7/05	<p>Current Operations: Completion</p> <p>8 am – 10 am: Start Rig and prep to rig down.</p> <p>10 am – 12 pm: Nipple down BOP, nipple up wellhead</p> <p>12 pm – 1 pm: Rig down and prep to move</p> <p>1 pm – 2 pm: Clean up location and road rig to 27-3</p>

12/26/05 Current Operations: **Completion**

Crew arrived at 1 pm, swabbed fluid to 4500', TOO H and SDFN

12/27/05 Current Operations: **Completion**

7 am – 9:30 am: Wait on perforators to arrive

9:30 am – 10:30 am: Waiting to get on to location road and dig up

10:30 am - 11: 30 am: Rig up Perforators

11:30 am – 6 pm: Perf. Well made 13 runs intervals 6110-6170, 5998-6056, 5837-5997, 5772-5817, 5735-5758.

6 pm- 6:30: Rig down perforators and SDFN

12/29/05 Current Operations: **Completion**

7 am – 8 am: serviced rig and start up

8 am – 12 pm: Swab, caught sample from wingate, recovered total of 200 BBLS., pulled down to 2200'

12 pm - 2 pm: Moved tools and reset BP @ 6185, Packer @ 5709

2 pm – 5:30 pm: Swabbed on well to pull down fluid level

12/30/05 Current Operations: **Completion**

7AM-8AM: Serviced & Start up

8AM-9AM: Made 3 Swab runs, fluid level @ 1200', caught samples

9AM-9:30AM: Move tools, BP @ 5827', Packer @ 5709'

9:30AM-2PM: Swabbed on well, Fluid level @ 2200' caught samples

2PM-5PM: Caught BP & TOO H standing back, SWIF weekend returning on the 3rd

1/03/06 Current Operations: **Completion**

7AM-2:30AM: Travel from Farmington to Wellington

2:30PM-3:30PM: Serviced rig & start up

3:30PM-5PM: TIH with packer

5PM-5:30PM: Set Packer @ 5678' SDFN.

1/04/06

Current Operations: **Completion**

7 am-9 am: Waiting on Superior Well Service to arrive.

9 am-11 am: RU acid equipment.

11 am-11:30 am: Tested lines to 5200 psi.

11:30 am-2:30 pm: Started acid job. Started job at 4-8 bbl/minute at 1000-2475 prepad 2000 gal.

1st stage-pumped at 8bpm at 2200 psi/diverter 25sks at 100#/sk at 2500 lbs.

2nd stage-pumped 8bpm at 1000-1910 psi, pumped 500bbl fresh water to purge lines and fix leak. Started diverter 2500gal diverter @7.5bpm @1500lbs.

3rd stage-pumped 7bpm @ 1500-980 psi/diverter 7bbl/minute @ 980-1742 psi.

4th stage-pumped @ 6.45bpm 1742-1050 psi/diverter pumped @ 6.0bpm from 1050-4730 psi. Shut down because of pressure. Waited on pressure to drop.

5th stage-pumped @ 2.2bpm 4300-2340 psi. Pumped flush @ 6.5 bpm and overflush @ 1267 psi, 1000 gal.

ISIP @ 760 lbs, 5 minutes 260 lbs, 10 minutes 142 lbs, 15 minutes 89 lbs. RD acid crew.

2:30 pm-5:30 pm: Swabbing well.

1/05/06

Current Operations: **Completion**

7AM-8AM: Service Rig and start up

8AM-5PM: Swabbed back 400 + BBLS fluid

1/06/06

Current Operations: **Completion**

7:00 am-8:00 am: Service rig and start up.

8:00 am-4:00 pm: Swabbing 300 bbl, total 300 bbl est.

4:00 pm-5:00 pm: Spot pump and tank for pressure test.

5:00 pm-5:30 pm: Fill tank with water and hook up to wellhead.

5:30 pm-7:00 pm: Pressure up to 1000 psi, bleed off in 5 min.

7:00 pm-7:30 pm: Pulled 15 strands to 4838, set packer and retested, bleed down.

7:30 pm-8:30 pm: Pulled up hole, 4 jts, set packer and retested, failed 4708 est.

8:30 pm-10:00 pm: TOO, checked packer upper rubber & lower rubber, scared up possible problem.

10:00 pm-10:30 pm: Drained up pump and lines, SDFN.

1/07/06

Current Operations: **Completion**

7:00 am-8:00 am: Service rig and start up.

8:00 am-10:00 am: TIH w/BP and found split collar on tbg, changed out, TIH and set up BP @ 5735, set up to pressure test casing (7").

10:00 am-11:00 am: Pressure tested tbg to 1000 psi, hold for 15 minutes.

11:00 am-11:30 am: TIH to tag fill, tagged @ 6120'.

11:30 am-1:00 pm: TOOH and laid down BP.

1:00 pm-1:30 pm: Winch.

1:30 pm-4:00 pm: TIH to clean out fill.

4:00 pm-5:00 pm: Circulated bottoms with fresh water.

5:00 pm-6:00 pm: Drained up pump and lines and SDFN

1/08/06

Current Operations: **Completion**

7:00 am-8:00 am: Service rig and start up.

8:00 am-9:00 am: TIH and tagged, no fill.

9:00 am-11:00 am: TOOH laying down.

11:00 am-12:30 pm: RU wire line service to set pressure bombs down hole @ 6200'.

12:30 pm-1:00 pm: RD wire line crew and SWFN and SD.

1/12/06

Current Operations: **Completion**

12PM-4PM: Riggged up wire line & retrieved downhole press bombs

1/13/06

Current Operations: **Completion**

7AM-11AM: Waiting on 3 1/2 elevators to arrive

11AM-5PM: TIH with 3 1/2, 9.3#'S plastic coated pipe with packer & XO nipple

5PM-6PM: SWIFN, loaded trailer with last of 3 1/2 pipe

1/14/06

Current Operations: **Completion**

7AM-8AM: Serviced rig & start up

8AM-9:30AM: TIH with last of 3 1/2 tubing

9:30AM-11AM: nipples down BOP & stripping rubber

11AM-12PM: LUNCH & waiting on wellhead to arrive

12PM-1PM: set packer & landed tubing @ 5712'

1PM-1:30PM: rig down floor & prep to set up well head

1:30PM-2PM: Pressure tested wellhead to 5000#'S

2PM-2:30PM: filled casing and prepped to test

2:30PM-2:40PM: Pressured up on casing 1000#'S

2:40PM- 4:40PM: 1000#'S held for 1 HR. witnessed by Mark Jones of Dogma.

3:40PM-4PM: Rig down testers

4PM-5PM: Rig Down rig and released

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
WhitMar Exploration Company

3a. Address
555 17th Street, Suite 880, Denver, CO 80202

3b. Phone No. (include area code)
303-991-9400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
496' FSL, 1008' FEL, SWSE Sec. 34 13S 11E

5. Lease Serial No.

UTU80556

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

SWD # 1

9. API Well No.

4300730979

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Carbon, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other First Injection
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Well Completed and online. Date of first injection 01/25/2006

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Signature

Title **Administrative Assistant**

Date **03/23/2006**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAR 28 2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **WhitMar Exploration Company**

3a. Address
555 17th Street, Suite 880, Denver, CO 80202

3b. Phone No. (include area code)
303-991-9400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
496' FSL, 1008' FEL, SWSE Sec. 34 13S 11E

5. Lease Serial No.

UTU80556

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

SWD # 1

9. API Well No.

4300730979

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Carbon, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other First Injection
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Well Completed and online. Date of first injection 01/25/2006

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Heather Mitchell

Title **Administrative Assistant**

Signature

Heather Mitchell

Date

03/23/2006

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(Instructions on page 2)

MAR 28 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS**

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SUBMIT IN TRIPLICATE- Other instructions on reverse side.1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator **WhitMar Exploration Company**3a. Address
555 17th Street, Suite 880, Denver, CO 802023b. Phone No. (include area code)
303-991-94004. Location of Well (Footage, Sec., T., R., M., or Survey Description)
496' FSL, 1008' FEL, SWSE Sec. 34 13S 11E

5. Lease Serial No.

UTU80556

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

SWD # 1

9. API Well No.

4300730979

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Carbon, UT**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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Well Completed and online. Date of first injection 01/25/2006

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Signature

Title **Administrative Assistant**

Date

03/23/2006**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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Date

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(Instructions on page 2)

MAR 28 2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

AMENDED

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

1a. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other		5. Lease Serial No. UTU 80556							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other <u>Injection Well</u>		6. If Indian, Allottee or Tribe Name n/a							
2. Name of Operator WhitMar Exploration Company		7. Unit or CA Agreement Name and No. n/a							
3. Address 555 17th Street, Suite 880, Denver, CO 80202		8. Lease Name and Well No. SWD #1							
3a. Phone No. (include area code) 303-991-9400		9. AFI Well No. 4300730979							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 946' FSL, 1,008' FEL At top prod. interval reported below Same At total depth same		10. Field and Pool, or Exploratory undesignated							
14. Date Spudded 08/21/2005		15. Date T.D. Reached 09/03/2005							
16. Date Completed 01/21/2006 <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* G.L. 5885							
18. Total Depth: MD 6380 TVD 6380		19. Plug Back T.D.: MD TVD							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Cement Bond Log, Dual Induction & Density Neutron							
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.5	13 3/8J55	48 8rd	0	247		Prem+V/525	110	surface	
12.25	9 5/8/555	36 LTC	0	2831		Hifil 215	225	surface	
	7 1/2J55	32 8rd	0	6359	4910-tool	T: prem+ 260	313	surface	
					2nd stg lead	50/50 poz/705			
					2nd stg tail	cmt G neat/50			
18	14	15			Conductor	quick crete 25	7	surface	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
3.5/9.3#	5703	5712							
25. Producing Intervals				26. Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) see attached injection									
B) intervals									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
5733-6170		see attached for acid job materials							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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APR 07 2006

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

n/a

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Ferron Caramel Navajo Kayenta Wingate	2784 5250 5708 5998 6098

32. Additional remarks (include plugging procedure):

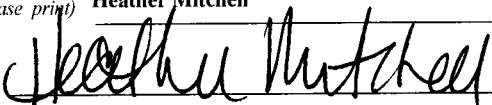
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Heather Mitchell**Title **Administrative Assistant+**

Signature



Date

4/6/06

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

26/25 BLM

Injection Intervals

Formation	Top	Bottom	No. Holes
Navajo	5735	5758	92 open
Navajo	5772	5817	190 open
Navajo	5837	5995	140 open
Navajo	5997	6056	232 open
Navajo	6110	6170	240 open

1/03/06

Current Operations: **Completion**

7AM-2:30AM: Travel from Farmington to Wellington

2:30PM-3:30PM: Serviced rig & start up

3:30PM-5PM: TIH with packer

5PM-5:30PM: Set Packer @ 5678' SDFN.

1/04/06

Current Operations: **Completion**

7 am-9 am: Waiting on Superior Well Service to arrive.

9 am-11 am: RU acid equipment.

11 am-11:30 am: Tested lines to 5200 psi.

11:30 am-2:30 pm: Started acid job. Started job at 4-8 bbl/minute at 1000-2475
prepad 2000 gal.1st stage-pumped at 8bpm at 2200 psi/diverter 25sks at 100#/sk at 2500 lbs.2nd stage-pumped 8bpm at 1000-1910 psi, pumped 500bbl fresh water to purge
lines and fix leak. Started diverter 2500gal diverter @7.5bpm @1500lbs.3rd stage-pumped 7bpm @ 1500-980 psi/diverter 7bbl/minute @ 980-1742 psi.4th stage-pumped @ 6.45bpm 1742-1050 psi/diverter pumped @ 6.0bpm from
1050-4730 psi. Shut down because of pressure. Waited on pressure to drop.5th stage-pumped @ 2.2bpm 4300-2340 psi. Pumped flush @ 6.5 bpm and
overflush @ 1267 psi, 1000 gal.ISIP @ 760 lbs, 5 minutes 260 lbs, 10 minutes 142 lbs, 15 minutes 89 lbs. RD
acid crew.

2:30 pm-5:30 pm: Swabbing well.

From: "Mark Weigt" <mweigt@whitmar.com>
To: <chriskierst@utah.gov>
Date: 04/28/2006 2:21:52 PM
Subject: Whitmar Step Rate test

Chris

I hope all is well with you. The attached is the procedure I'd like to use in testing the Whitmar SWD #1 well in Carbon County.

As you can see I would like to start at a 1 BPM rate and then, if needed, when we reach 10BPM, I'd like to take 2 BPM incremental increases.

All of the pressure readings would be recorded at the surface.

If this procedure is Ok w/ you I'll begin my preparations for testing within the next two weeks.

Thanks for your help.

Mark R. Weigt
Director of Operations
Whitmar Exploration Company
918-633-4632

Step Rate Test**Whitmar Fed SWD #1**

Step	Rate (bpm)	Duration (min)	Stabilized Surface	Injected
			Pressure (psig)	BBLs
1	1	20		20
2	2	20		40
3	3	20		60
4	4	20		80
5	5	20		100
6	6	20		120
7	7	20		140
8	8	20		160
9	9	20		180
10	10	20		200
11	12	20		240
12	14	20		280
13	16	20		320
14	18	20		360
				2300



WHITMAR EXPLORATION COMPANY

MARK WEIGT
DIRECTOR OF OPERATIONS

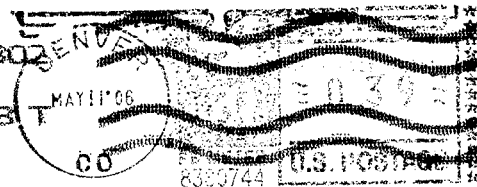
303-991-9400 EXT. 125
303-991-9401 (FAX)
918-633-4632 (CELL)
MWEIGT@WHITMAR.COM

555 17TH STREET, SUITE 880
DENVER, CO 80202-3908

1Y

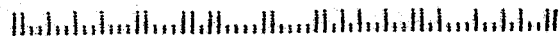
DENVER CO 80202

11 MAY 2006 PM 8 T



Chris Kierst
1594 West North Temple
Suite 1210
Salt Lake City, UT 84116

84116+3154



WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880

Denver, CO 80202-3908

ADDRESS SERVICE REQUESTED

DENVER CO 80202

11 MAY 2006 PM 8 T



Chris Kierst
1594 West North Temple
Suite 1210
Salt Lake City, UT 84116

84116+0154



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Amended

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

1a. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other		5. Lease Serial No. UTU 80556							
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other <u>injection well</u>		6. If Indian, Allottee or Tribe Name n/a							
2. Name of Operator WhitMar Exploration Company		7. Unit or CA Agreement Name and No. n/a							
3. Address 555 17th Street, Suite 880, Denver, CO 80202		8. Lease Name and Well No. SWD #1							
3a. Phone No. (include area code) 303-991-9400		9. AFI Well No. 4300730979							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 946' FSL, 1008' FEL At top prod. interval reported below same At total depth same		10. Field and Pool, or Exploratory undesignated							
14. Date Spudded 08/21/2005		11. Sec., T., R., M., on Block and Survey or Area 34-13S-11E							
15. Date T.D. Reached 09/03/2005		12. County or Parish Carbon							
16. Date Completed 01/21/2006 <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.		13. State UT							
17. Elevations (DF, RKB, RT, GL)* G.L. 5885									
18. Total Depth: MD 6380 TVD 6380		20. Depth Bridge Plug Set: MD TVD							
19. Plug Back T.D.: MD TVD									
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Cement Bond Log, Dual Induction & Density Neutron		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)							
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.5	13 3/8 J55	48 8rd	0	247 427		Prem+V/525	110	Surface	
12.25	9 5/8 J55	36 LTC	0	2831		Hifill 215	225	Surface	
	7 1/2 J55	26 8rd	0	6359	4910-tool	T: prem+260	313	Surface	
					2nd stg lead	50/50 poz/705			
					2nd stg tail	cmt G neat/50			
18	14	15			Conductor	quick crete 25	7	Surface	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
3.5/9.3#	55703	5712							
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status		
A) See attached injection									
B) intervals									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
5733-6170		see attached fir acid job materials							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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MAY 15 2006

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

n/a

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Ferron Carmel Navajo Kayenta Wingate	2784 5250 5780 5708 5998 6098

32. Additional remarks (include plugging procedure):

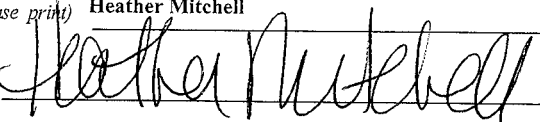
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Heather Mitchell**Title **Administrative Assistant**

Signature


Date **05/11/2006**

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Injection Intervals

Formation	Top	Bottom	No. Holes
Navajo	5735	5758	92 open
Navajo	5772	5817	190 open
Navajo	5837	5995	140 open
Navajo	5997	6056	232 open
Navajo	6110	6170	240 open

1/03/06

Current Operations: **Completion**

7AM-2:30AM: Travel from Farmington to Wellington

2:30PM-3:30PM: Serviced rig & start up

3:30PM-5PM: TIH with packer

5PM-5:30PM: Set Packer @ 5678' SDFN.

1/04/06

Current Operations: **Completion**

7 am-9 am: Waiting on Superior Well Service to arrive.

9 am-11 am: RU acid equipment.

11 am-11:30 am: Tested lines to 5200 psi.

11:30 am-2:30 pm: Started acid job. Started job at 4-8 bbl/minute at 1000-2475 prepad 2000 gal.

1st stage-pumped at 8bpm at 2200 psi/diverter 25sks at 100#/sk at 2500 lbs.2nd stage-pumped 8bpm at 1000-1910 psi, pumped 500bbl fresh water to purge lines and fix leak. Started diverter 2500gal diverter @7.5bpm @1500lbs.3rd stage-pumped 7bpm @ 1500-980 psi/diverter 7bbl/minute @ 980-1742 psi.4th stage-pumped @ 6.45bpm 1742-1050 psi/diverter pumped @ 6.0bpm from 1050-4730 psi. Shut down because of pressure. Waited on pressure to drop.5th stage-pumped @ 2.2bpm 4300-2340 psi. Pumped flush @ 6.5 bpm and overflush @ 1267 psi, 1000 gal.

ISIP @ 760 lbs, 5 minutes 260 lbs, 10 minutes 142 lbs, 15 minutes 89 lbs. RD acid crew.

2:30 pm-5:30 pm: Swabbing well.

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, CO 80202-3908
(303) 991-9400
Fax (303) 991-9401

June 22, 2006

Mr. Christopher Kierst
Utah Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: E. Helper SWD #1 Well; API # 4300730979
946' FSL 100' FEL, SW/SE Sec. 34 T13S R11E, Carbon County, Utah
Additional Permit Information- Navajo Formation Step rate test, May 10, 2006

Dear Mr. Kierst

In response to your request for additional information on the planned operations of the Whitmar Exploration E Helper SWD #1 please be advised as follows:

Water to be injected in the SWD #1 will be "produced water" from the CBM wells in Whitmar's E. Helper field surrounding this injection well. You have previously been provided a copy of the water compatibility tests for this field.

We anticipate injecting approximately 12,000 Bbls of produced water per day into our SWD # 1 injection well.

If there are any additional items you need to complete the permitting process for this well please contact me and I will respond timely.

Thanks for all your help.

Sincerely,



Mark R. Weigt
Director of Operations

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, CO 80202-3908
(303) 991-9400
Fax (303) 991-9401

June 20, 2006

Mr. Christopher Kierst
Utah Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: E. Helper SWD #1 Well, API # 4300730979
946' FSL 100' FEL, SW/SE Sec. 34 T13S R11E, Carbon County, Utah
Additional Permit Information- Navajo Formation Step rate test, May 10, 2006

Dear Mr. Kierst:

Whitmar Exploration Company submits the information presented in this letter and attachments to complete the permit for the above well.

Step Rate Test

On January 9, 2006 Whitmar Exploration Company conducted a step rate test E. Helper SWD #1 well. Based on results from the test, the referenced well was converted to a class II injection well and placed in service late January. The temporary approval included a restriction for surface injection pressure not to exceed 910 psig. Since being placed in service approximately 615,000 bbls have been injected into the wellbore. On May 10, 2006 a second step rate test was conducted on the E. Helper SWD #1 well to determine the parting pressure of the Navajo Formation. Data from both step rate tests were sent to Questa Engineering for analysis. Based upon the test information, the calculated parting pressure is 3245 psig at 5952 ft, the mid point of the injection zone. This equates to a fracture gradient of 0.545 psi/ft. The field data from this test and a graph of the step rate test data showing the parting pressure are attached for your review. The parting pressure of 3245 psig equates to 8.85 bpm and a surface pressure of 2075 psig.

Step rate test data from Westport Oil and Gas Company's Wellington Federal 44-06 well, located in the SE/SE of Section 6 T14S R11E, has a parting pressure of 3210 psig at 5928 ft, the mid point of the Navajo Formation injection interval, or a fracture gradient of 0.541 psi/ft. The similarity of the parting pressures from the two wells confirms the accuracy of interpretations from the subject well.

Carmel Anhydrite Barriers

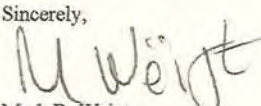
The Lower Carmel Anhydrite is a geological marker in the Uinta Basin easily recognized by very high bulk density readings on the density log. Anadarko has submitted maps and a geologic cross-section with a Sundry Notice for their Helper Federal F-2 SWD well showing that the Carmel anhydrite barriers overlay the Navajo formation in the Uinta Basin, and that the anhydrite layers have continuity across the basin. These rocks provide additional seal for fluids injected into the Navajo Formation. Similar high bulk density readings associated with the Carmel anhydrite appear on Whitmar's E. Helper SWD #1 well at 5359 ft-5373 ft, 5453 ft-5466 ft, and 5512 ft-5534 ft.

Anadarko also submitted modeling work demonstrating that injection into the Navajo will not break through into the Carmel anhydrite or potential overlying shallow aquifers.

Based on these data and interpretation, Whitmar respectfully requests that the allowable limit for injection into the E. Helper SWD #1 well be set at 3245 psig or an equivalent surface pressure of 2075 psig.

Thank you for your time and consideration in this matter.

Sincerely,


Mark R. Weigt
Director of Operations

RECEIVED

JUN 22 2006

DIV. OF OIL, GAS & MINING

*Is this correct?
CJ 6/20/06*



June 19, 2006

Mr. Mark Weigt
Whitmar Exploration Company
555 17th Street, Suite 880
Denver, CO 80202

Re: E. Helper SWD #1 Well, API # 4300730979
946' FSL 100' FEL, SW/SE Sec. 34 T13S R11E, Carbon County, Utah
May 10, 2006 Step Rate Test, Navajo Formation Parting Pressure

Dear Mr. Weigt:

Questa Engineering (Questa) has analyzed the data collected by Superior Well Services during the May 10, 2006 step rate test conducted on the E. Helper SWD #1 well, Navajo Formation. Our analysis shows the test data are valid, and a plot of these data indicates a parting pressure of 3245 psig (3260 psia) at 5952 ft, the midpoint of the Navajo injection interval. The equivalent fracture gradient is 0.545 psi/ft.

A plot of the bottom-hole injection pressures vs. injection rate showing the parting pressure is attached, along with the data collected by Superior Well Services, and a table of the data used to make the plot. Also attached is a plot showing the estimated surface injection pressures at various injection rates for different size injection tubulars that may be used in the well. Questa used standard industry methods for calculating the pressure data shown in these plots.

Westport Oil and Gas Company's Wellington Federal 44-06 well, located in the SE/SE of Section 6 T14S R11E, has a parting pressure of 3210 psig at 5928 ft, the mid point of the Navajo Formation injection interval, or a fracture gradient of 0.541 psi/ft. The similarity of the parting pressure from this well supports our analysis.

Very truly yours,

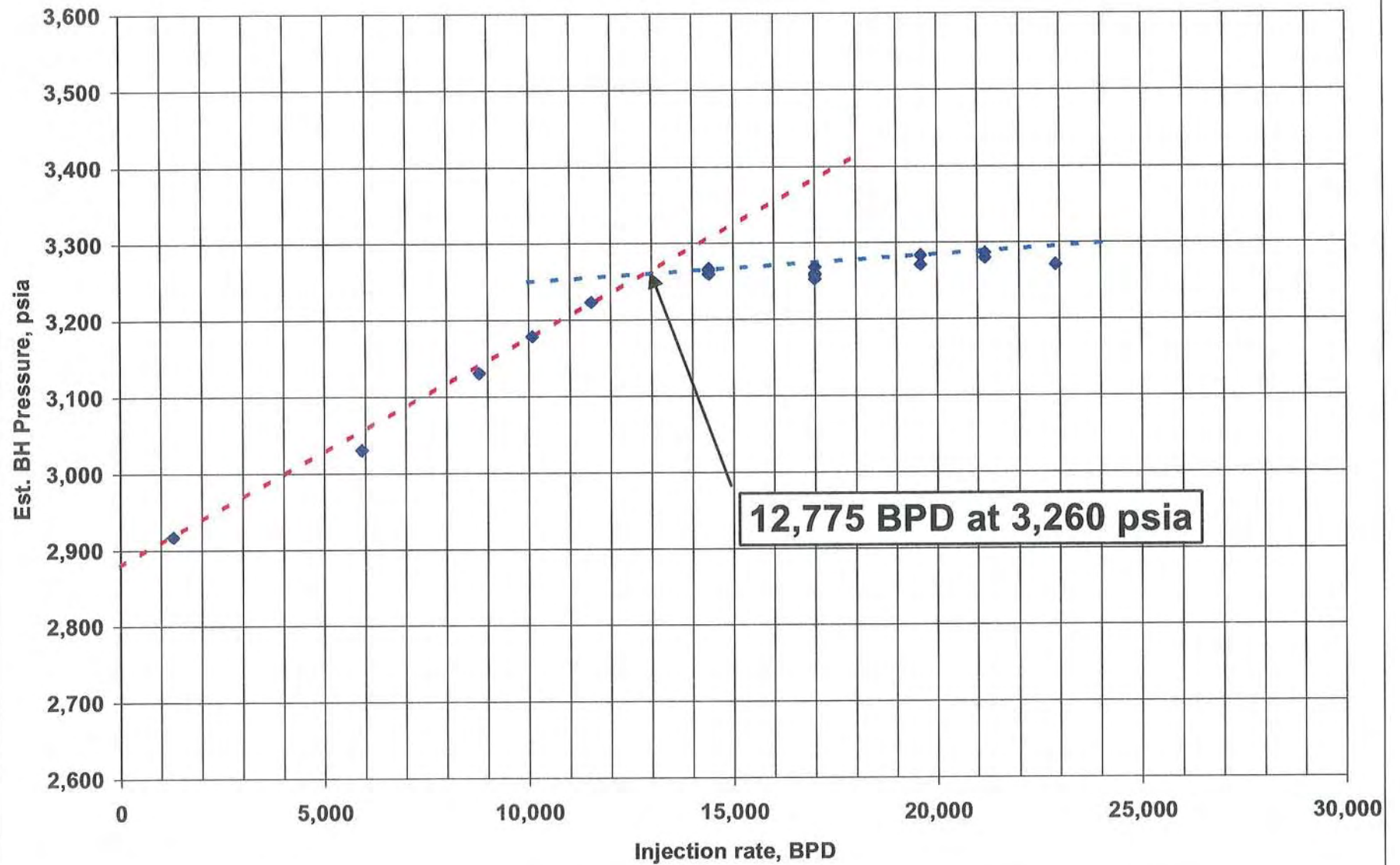
A handwritten signature in dark ink, appearing to read 'William A. Abbott', with a long horizontal flourish extending to the right.

William A. Abbott
Senior Petroleum Engineer

NORWEST QUESTA ENGINEERING

Enclosures:

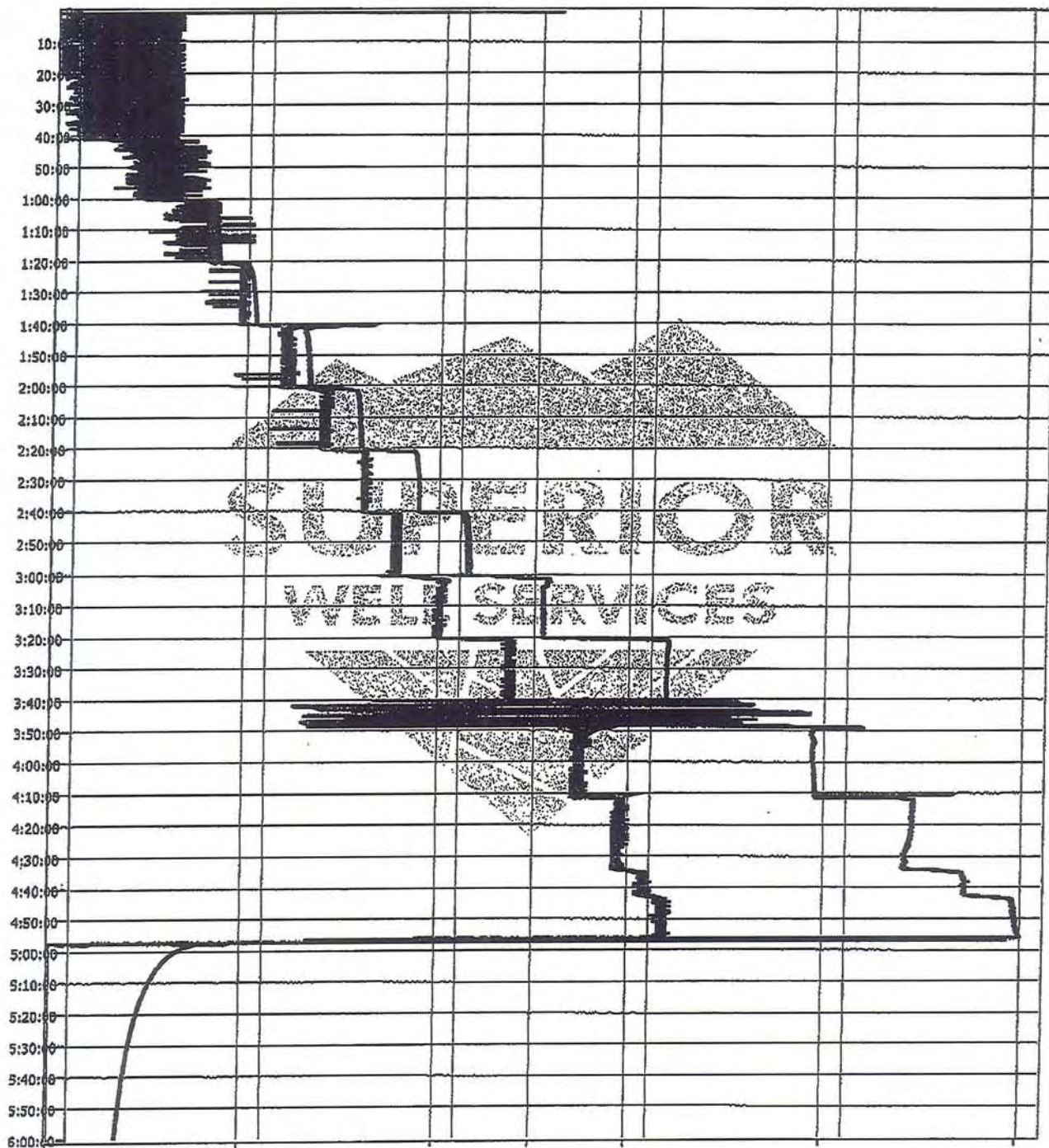
E. Helper SWD #1, Step Rate Test - 5/10/2006



Invoice	:276	Stage	:1 of 1
Date	:Wed 05/10/2006	Start Time	:09:31:11 (09:31 AM)
Customer	:WHITMAR	Lease	:SND #1
State	:UTAH	County	:CARBON COUNTY
Engineer	:VINCE ANDERSON	Comments	:
Primary	: 3-1/2"NPT; 9-55; 9.20W - NW	Secondary	:NONE -
Formation	:NAVAJO	Job Type	:TEST INJECTION
Treat Vol	:114240 GAL	Flush Vol	:0 GAL
Top Int	:5735 FEET	Bottom Int	: 6170 FEET
Notch/Perf	: 1394 EACH	Comments	:

WHTPPsi
5000

SLRRYbpm
25

PROPCpsa
0


Customer :WHITMAR

Lease :SWD #1

Invoice	:276	Stage	:1 of 1
Date	:Wed 05/10/2006	Start Time	:09:31:11 (09:31 AM)
Customer	:WHITMAR	Lease	:SWD #1
State	:UTAH	County	:CARBON COUNTY
Engineer	:VINCE ANDERSON	Comments	:
Primary	: 3-1/2"NPT;J-55; 9.20# - NEW	Secondary	:NONE -
Formation	:NAVAJO	Job Type	:TEST INJECTION
Treat Vol	:114240 GAL	Flush Vol	:0 GAL
Top Int	:5735 FEET	Bottom Int	: 6170 FEET
Notch/Perf	: 1384 EACH	Comments	:

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1967 *** AVERAGE RATE: 7.8 *** AVERAGE HHP: 378 *** PTS USED: 72

CALCULATED SHUT IN: ISIP *** 678
 CALCULATED SHUT IN: ISIP *** 639
 CALCULATED SHUT IN: SIP 5 *** 504
 CALCULATED SHUT IN: SIP 10 *** 441
 CALCULATED SHUT IN: SIP 15 *** 407
 CALCULATED SHUT IN: SIP 20 *** 379
 CALCULATED SHUT IN: SIP 25 *** 357
 CALCULATED SHUT IN: SIP 30 *** 340
 CALCULATED SHUT IN: SIP 30 *** 340
 CALCULATED SHUT IN: SIP 30 *** 340
 CALCULATED SHUT IN: SIP 40 *** 312
 CALCULATED SHUT IN: SIP 50 *** 292
 CALCULATED SHUT IN: SIP 60 *** 274

LOGGED DATA

	Comment	WHTPsi	SLRRYbpm	T#CLEANGa	PROPCpsa
09:42:00	PAUSED	161	0.0	0	-5.0
09:42:12	Pmp H2O	165	-0.0	-0	-5.0
09:43:00	Chk R&P	250	1.1	132	-5.0
09:44:24	Chk R&P	264	1.8	189	-5.0
09:46:22	Chk R&P	277	1.2	630	-5.0
09:49:18	Chk R&P	283	2.2	736	-5.0
09:49:48	Chk R&P	282	3.1	753	-5.0
09:56:22	Chk R&P	281	0.2	980	-5.0
10:01:54	Chk R&P	283	0.9	1211	-5.0
10:02:02	ZEROSUB	283	1.5	1216	-5.0
10:03:22	Chk R&P	293	2.2	1279	-5.0
10:05:02	Chk R&P	329	2.0	1371	-5.0
10:10:04	Chk R&P	342	2.4	1647	-5.0
10:13:14	Chk R&P	339	2.2	1820	-5.0
10:17:50	Chk R&P	339	2.1	2067	-5.0
10:21:46	Chk R&P	303	3.0	2276	-5.0
10:22:26	ZEROSUB	298	1.7	2310	-5.0
10:23:52	Chk R&P	473	2.8	2474	-5.0
10:29:46	Chk R&P	504	3.0	3041	-5.0
10:35:26	Chk R&P	518	1.9	3581	-5.0
10:35:56	Chk R&P	514	2.2	3629	-5.0
10:39:24	Chk R&P	515	3.1	3963	-5.0
10:41:54	Chk R&P	523	3.0	4197	-5.0
10:41:58	ZEROSUB	521	3.2	4203	-5.0
10:42:38	Chk R&P	683	4.0	4295	-5.0
10:46:00	Chk R&P	707	4.2	4802	-5.0
10:47:16	Chk R&P	712	3.9	4977	-5.0
10:49:50	Chk R&P	718	4.0	5346	-5.0
10:57:16	Chk R&P	731	4.1	6393	-5.0
11:01:54	Chk R&P	735	4.0	7068	-5.0

2003 Accudat 3.9x

1 of 3

Invoice :276

8

Customer :WHITMAR

Lease :SWD #1

	Comment	WHTPpsi	SLRRYbpm	T#CLEANga	PROPcpsi
11:04:26	Chk R&P	897	4.9	7510	-5.0
11:09:52	Chk R&P	914	4.9	8481	-5.0
11:18:10	Chk R&P	925	4.9	9950	-5.0
11:21:52	ZEROSUB	927	4.9	10618	-5.0
11:23:12	Chk R&P	1182	6.1	10936	-5.0
11:25:54	Chk R&P	1194	6.0	11563	-5.0
11:25:56	Chk R&P	1193	6.1	11571	-5.0
11:27:32	Chk R&P	1193	6.1	11953	-5.0
11:41:52	Chk R&P	1213	6.1	15308	-5.0
11:41:58	ZEROSUB	1213	6.1	15331	-5.0
11:43:08	Chk R&P	1434	7.1	15631	-5.0
11:54:24	Chk R&P	1471	7.0	18750	-5.0
12:01:32	Chk R&P	1473	7.0	20723	-5.0
12:02:36	Chk R&P	1760	8.1	21032	-5.0
12:08:02	Chk R&P	1777	8.1	22798	-5.0
12:14:22	Chk R&P	1781	8.0	24852	-5.0
12:19:38	Chk R&P	1782	8.0	26561	-5.0
12:21:56	ZEROSUB	1783	8.1	27307	-5.0
12:22:40	Chk R&P	2027	8.9	27557	-5.0
12:28:30	Chk R&P	2046	8.8	29662	-5.0
12:32:20	Chk R&P	2039	9.0	31050	-5.0
12:37:38	Chk R&P	2045	9.0	32955	-5.0
12:41:46	Chk R&P	2050	8.9	34434	-5.0
12:42:00	ZEROSUB	2045	8.9	34517	-5.0
12:43:14	Chk R&P	2436	10.1	34986	-5.0
12:46:06	Chk R&P	2435	10.1	36180	-5.0
12:52:32	Chk R&P	2432	10.0	38835	-5.0
12:57:34	Chk R&P	2438	10.1	40918	-5.0
13:01:42	Chk R&P	2436	10.0	42617	-5.0
13:02:02	ZEROSUB	2431	10.0	42754	-5.0
13:03:04	Chk R&P	3086	11.9	43218	-5.0
13:04:48	Chk R&P	3088	11.8	44075	-5.0
13:09:04	Chk R&P	3079	11.9	46184	-5.0
13:18:44	Chk R&P	3077	12.0	50951	-5.0
13:19:38	Chk R&P	3078	11.8	51394	-5.0
13:21:54	Chk R&P	3080	11.8	52509	-5.0
13:21:56	ZEROSUB	3078	11.8	52526	-5.0
13:26:38	Chk R&P	3812	13.7	54583	-5.0
13:32:20	Chk R&P	3827	13.6	56934	-5.0
13:37:06	Chk R&P	3830	13.9	59696	-5.0
13:42:10	Chk R&P	3833	13.7	62620	-5.0
13:44:30	Chk R&P	3840	13.7	63967	-5.0
13:50:24	Chk R&P	3839	13.6	67373	-5.0
13:54:00	Chk R&P	4343	14.7	69496	-5.0
14:00:24	Chk R&P	4342	15.0	73526	-5.0
14:04:12	Chk R&P	4334	14.7	75914	-5.0
14:06:16	Chk R&P	4328	14.7	77209	-5.0
14:10:46	Chk R&P	4302	14.7	80024	-5.0
14:16:58	Chk R&P	4580	15.3	83896	-5.0
14:19:12	Chk R&P	4601	15.5	85358	-5.0
14:25:42	Chk R&P	4851	16.0	89616	-5.0
14:32:50	Chk R&P	4873	16.0	94432	-5.0
14:37:12	Chk R&P	4892	15.9	97373	-5.0
14:39:14	ISIP	581	4.0	98539	-5.0
14:40:00	ISIP	617	-0.0	98539	-5.0
14:45:24	SIP 5	485	-0.0	98530	-5.0
14:50:51	SIP 10	424	-0.0	98522	-5.0

Customer :WHITMAR

Lease :SWD #1

	Comment	WHTPsi	SLRRYbpm	T#CLEANga	PROPCpsa
14:55:26	SIP 15	388	0.0	98515	-5.0
15:00:22	SIP 20	360	0.0	98508	-5.0
15:05:12	SIP 25	337	0.0	98501	-5.0
15:10:04	SIP 30	319	0.0	98493	-5.0
15:10:06	SIP 30	320	0.0	98493	-5.0
15:10:15	SIP 30	319	0.0	98493	-5.0
15:20:10	SIP 40	291	-0.0	98478	-5.0
15:30:06	SIP 50	269	0.0	98463	-5.0
15:40:06	SIP 60	252	0.0	98448	-5.0

POST JOB COMMENTS

Thank you for Using Superior Well Services
Safety Meeting Conducted
no brake seen

END OF REPORT

E. Helper SWD #1

Superior Well Services Step Rate Test Data; May 10, 2006

Assumptions and Remarks

Midpoint perforations 5,952 feet
 Water Specific gravity 1.025 fraction
 Hydrostatic Gradient 0.4438 psi/ft
 3 1/2" tubing is plastic coated, 2.535" ID

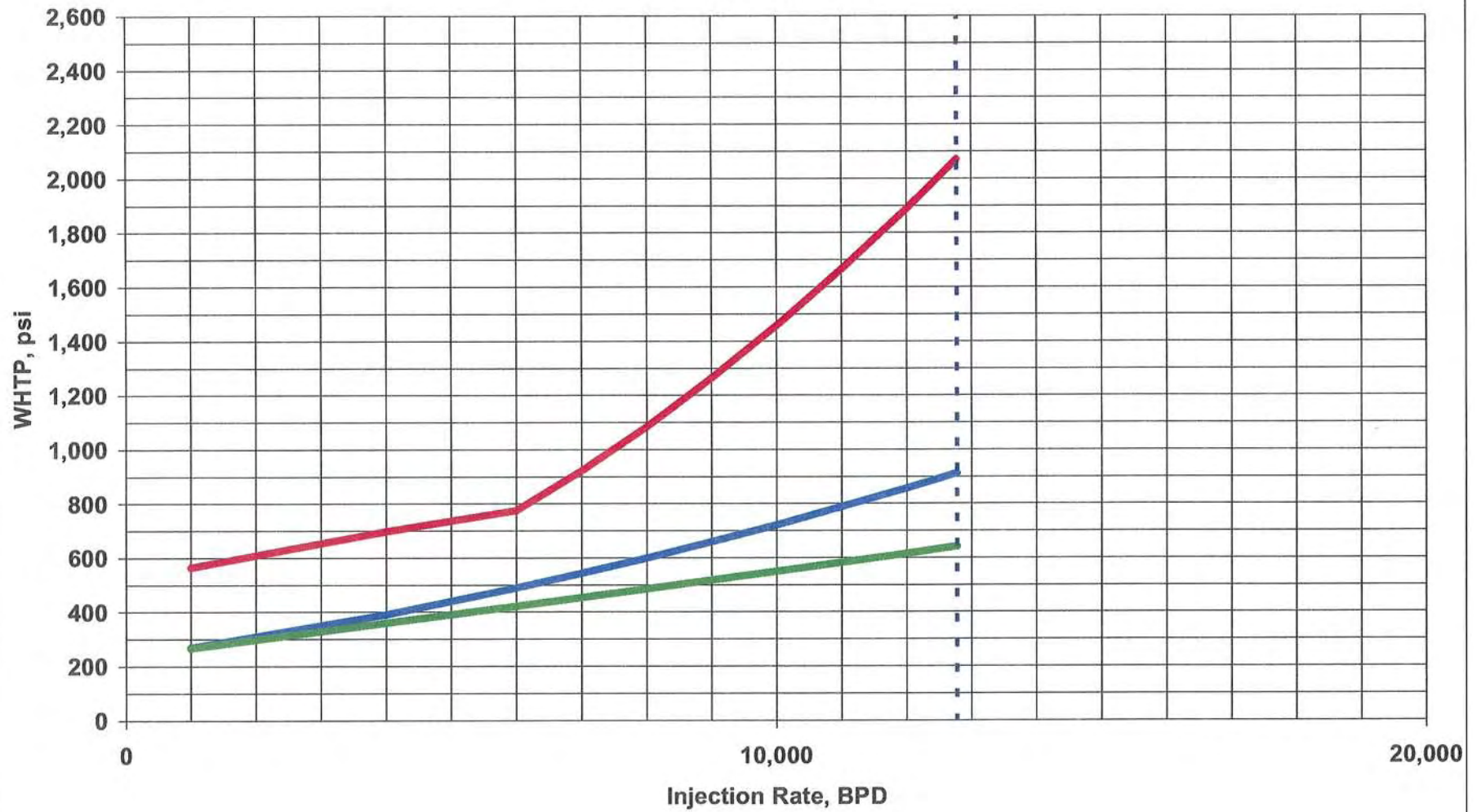
BHP = WHTP + HP - FP

Field Data		Injection BPD	WHTP psia	Hydrostatic Pressure (HP) psi	Friction Pressure (FP) psi	Bottom Hole Pressure (BHP) psia
WHTP psig	Injection bpm					
283	0.9	1,296	297.7	2642	22	2,917
731	4.1	5,904	745.7	2642	357	3,031
1213	6.1	8,784	1227.7	2642	739	3,131
1473	7.0	10,080	1487.7	2642	951	3,179
1781	8.0	11,520	1795.7	2642	1214	3,223
2432	10.0	14,400	2446.7	2642	1828	3,260
2438	10.0	14,400	2452.7	2642	1828	3,266
2436	10.0	14,400	2450.7	2642	1828	3,264
2431	10.0	14,400	2445.7	2642	1828	3,259
3088	11.8	16,992	3102.7	2642	2476	3,268
3073	11.8	16,992	3087.7	2642	2476	3,253
3080	11.8	16,992	3094.7	2642	2476	3,260
3078	11.8	16,992	3092.7	2642	2476	3,258
3827	13.6	19,584	3841.7	2642	3212	3,271
3839	13.6	19,584	3853.7	2642	3212	3,283
4334	14.7	21,168	4348.7	2642	3704	3,286
4328	14.7	21,168	4342.7	2642	3704	3,280
4302	14.7	21,168	4316.7	2642	3704	3,254
4892	15.9	22,896	4906.7	2642	4277	3,271

2068

3245

Tubing/Casing Performance



3 1/2 inch PC tubing 4 1/2 inch PC tubing 7 inch casing - - - Fracture Rate

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880
Denver, CO 80202-3908
(303) 991-9400
Fax (303) 991-9401

June 22, 2006

Mr. Christopher Kierst
Utah Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: E. Helper SWD #1 Well; API # 4300730979
946' FSL 100' FEL, SW/SE Sec. 34 T13S R11E, Carbon County, Utah
Additional Permit Information- Navajo Formation*Step rate test, May 10, 2006

Dear Mr. Kierst

In response to your request for additional information on the planned operations of the Whitmar Exploration E Helper SWD #1 please be advised as follows:

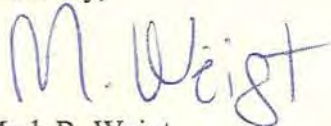
Water to be injected in the SWD #1 will be "produced water" from the CBM wells in Whitmar's E. Helper field surrounding this injection well. You have previously been provided a copy of the water compatibility tests for this field.

We anticipate injecting approximately 12,000 Bbls of produced water per day into our SWD #1 injection well.

If there are any additional items you need to complete the permitting process for this well please contact me and I will respond timely.

Thanks for all your help.

Sincerely,



Mark R. Weigt
Director of Operations

RECEIVED
JUN 26 2006
DIV. OF OIL, GAS & MINING

WHITMAR EXPLORATION COMPANY

555 17th Street, Suite 880

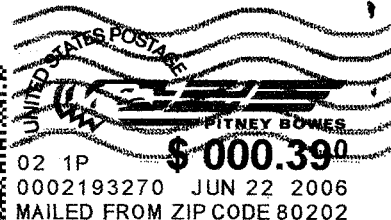
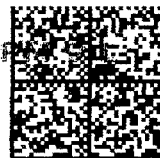
Denver, CO 80202-3908

ADDRESS SERVICE REQUESTED

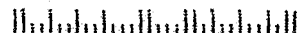
DENVER CO 802

ST MAIL AND DIST SVC 06/22/2006

22 JUN 2006



Chris Kierst
Utah Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, UT 84114-5801





State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Post-it® Fax Note 7671

Date	6/29/06	# of pages	1
To	Mark Weigt	From	Chris Kierst
Co./Dept.	WhitMar	Co.	DOG M
Phone #		Phone #	(801) 859-5337
Fax #	(303) 991-9401	Fax #	

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-309

Operator: WhitMar Exploration Company
Well: SWD #1
Location: Section 34, Township 13 South, Range 11 East
County: Carbon
API No.: 43-007-30979
Well Type: Salt Water Disposal Well

Stipulations of Permit Approval

1. Approval for Conversion to Injection Well issued on January 24, 2006
2. Maximum Allowable Surface Pressure: 2,075 psi.
3. Corresponding Injection Rate: Limited by pressure.
4. Injection Interval: Selective perforations in the Navajo Sandstone, Kayenta Formation and the Wingate Sandstone.

Approved by:

for Dan Staley
Gil Hunt
Associate Director

06-29-06
Date

mf

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Price

TRANSACTION REPORT

P. 01

JUN-29-2006 THU 04:34 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
JUN-29	04:34 PM	13039919401	28"	1	SEND	OK	138	

TOTAL : 28S PAGES: 1



State of Utah

Department of
Natural Resources

MICHAEL R. STYLER
Executive Director

Division of
Oil, Gas & Mining

JOHN R BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Post-it* Fax Note 7671		Date 6/29/06	# of pages 1
To Mark Weigt	From Chris Kierst		
Co./Dept. Whitmar	Co. DOGM		
Phone #	Phone # (801) 859-5337		
Fax # (303) 991-9401	Fax #		

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-309

Operator: WhitMar Exploration Company

Well: SWD #1

Location: Section 34, Township 13 South, Range 11 East

County: Carbon

API No.: 43-007-30979

Well Type: Salt Water Disposal Well

Stipulations of Permit Approval

1. Approval for Conversion to Injection Well issued on

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-309

Operator: WhitMar Exploration Company

Wells: SWD #1

Location: Section 34, Township 13 South, Range 11 East (SLBM), Carbon County,
Utah

API No.: 43-007-30979

Well Type: Salt Water Disposal Well

Stipulations of Permit Approval

1. Maximum Allowable Surface Pressure: 2,075 psi.
2. Corresponding Injection Rate: Limited by pressure.
3. Injection Interval: Selective perforations in the Navajo Sandstone, Kayenta Formation and the Wingate Sandstone.
4. Approval for Conversion to Injection Well issued on 1/24/06.

Approved by: _____

Gil Hunt
Associate Director

_____ Date

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Whitmar Exploration Company

Well: SWD #1

Location: T13S, R11E, S34, Carbon County, Utah

API: 4300730979

Ownership Issues:

The well is located on Fee land. The operator has provided the Division an Affidavit of Mailing specifying that a copy of the application for a Class II Injection Well permit was sent to all operators, owners and surface owners within the half-mile Area of Review (AoR) of the proposed injection well.

Well Integrity:

Description of the Casings and Cement:

CASING PROGRAM

<u>String Type</u>	<u>Hole Size</u>	<u>Depth</u>	<u>Feet</u>	<u>Casing Diameter</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection Type</u>
Conductor	18" ream	40'	-	18"	-	-	-
Surface	16" 17.5	427'	-	13 3/8"	-	-	-
Intermediate	12 1/4"	2,831'	-	9 5/8"	36	J-55	ST&C
Production	8 3/4"	6,344'	-	7"	26#	J-55	ST&C

CEMENT PROGRAM

<u>String Type</u>	<u>DV Depth</u>	<u>Stage</u>	<u>Cement</u>	<u>Cement</u>	<u>Number</u>	<u>Cement Type</u>	<u>Cement</u>	<u>Cement Weight</u>
		<u>Lead/Tail</u>	<u>Bottom</u>	<u>Top</u>	<u>Sacks</u>		<u>Yield</u>	<u>PPG</u>
Conductor	-	-	-	Surface	25	Quikcrete	-	-
Surface	-	-	-	Surface	525	Prem+ Class 5	1.18	15.6
Intermediate	-	Lead Tail	-	-	215	HIFIL	3.86	11
					270	Premium AG	1.61	14.2
Production	-	Lead Tail	-	-	260	Premium G	1.1	15.8
					705	50/50 POZ	1.18	-

Ground Water Protection:

The operator, Whitmar Exploration Company, proposes to inject East Helper Field Ferron (Coal) Member CBM produced water mixture through selective perforations into the Navajo and Wingate Sandstones for the purpose of salt-water disposal. The perforations span an interval between 5,280 feet and 5,740 feet of depth. Representative water samples were

taken from the combined injectate stream. These test at nearly 26,000 parts per million (ppm) Total Dissolved Solids (TDS). An analysis of the connate waters of the proposed injection zone of the proposed injection well revealed TDS concentrations in the Navajo and Wingate Sandstones to be 55,094 mg/l and 78,973 mg/l, respectively. These are typical analyses in comparison to those obtained from the same injection zones in other SWD wells operating in the Carbon County CBM area. It is unlikely that a good quality ground water resource is to be found in the Navajo and Wingate Sandstones in this area and, particularly, at the depths penetrated in the subject proposed injection well. Owing to spudding into the Mancos Shale, it is probable that the first water reported during drilling was encountered in the Cretaceous age Ferron Member CBM zone, which was picked at a depth of 2,784 feet.

On the UIC Form 1 the operator originally requested permission to inject at a Maximum Allowable Surface Injection Pressure of 1,250 psig at a maximum injection rate of 8,000 barrels per day. They subsequently requested permission to charge the reservoir for 6 months to get a representative Step Rate Test (SRT) and this was approved. An SRT was performed on 1/9/2006 and analysis of the results indicated a formation parting pressure of 3245 psig

The primary confining layers between the injection zones and the Ferron production zone are the anhydrites and limestones of the Jurassic age Carmel Formation and the Mancos Shale section below the Ferron Member. Electric logs from the Whitmar Exploration SWD #1 indicate the development of several different anhydrite beds, one of which has a well-developed anhydrite bed in the evaporite section. There are also several other poorly developed anhydrite beds evident.

In this area, the sandstones of the Glen Canyon Group are not considered Underground Sources of Drinking Water (USDW; a water source containing less than 10,000 mg/l, total dissolved solids).

There are no subsurface water rights filed within a mile of the Whitmar Exploration SWD #1.

An analysis of the Schlumberger (log dated 12/6/05) Cement Bond Log was undertaken to evaluate the quality of the bond over the confining interval in the well. There is about 59' of cumulative discontinuous 80% bonded cement in the overall 1,200' of strata above the top of the perforations in the Navajo Sandstone. The longest continuous acceptably bonded interval was about 10'. The CBL was not run at 1,000 psi to minimize a microannulus. The division requested that a radioactive tracer (RAT) survey be conducted to reveal any vertical movement of brines behind the casing. The RAT survey was run on 3/21/2006. It revealed that there were no indications of fluid movement above the top of the perforations. The cement bonding between the top of the Navajo Sandstone and the Ferron CBM zone should be adequate to prevent interzone communication.

Oil/Gas & Other Mineral Resources Protection:

In this area coal bed methane is the only mineral resource that is currently being exploited in the strata that have been penetrated in this well.

Historically, coal has been extracted from nearby mines along the Book Cliffs that have been developed in superjacent Cretaceous strata.

The nearest conventional oil and gas development is about 8 miles to the southeast at the abandoned Farnham Dome Field.

A review of the well records of the Division of Oil, Gas and Mining revealed that no other well is within the one-half mile regulatory area of review.

Bonding:

Westport Oil and Gas Company, L.P. has posted nationwide blanket bond #158624364 with the Bureau of Land Management. Information regarding the details of the bond is obtainable from that agency.

Actions Taken and Further Approvals Needed:

Notice of this application was published in the Salt Lake Tribune and the Price, Utah, Sun Advocate. In addition, copies of the notice were provided to EPA Region 8, the BLM Moab District Office, Carbon County Planning and the operator. The notice stated the proposed interval for injection to be selective zones in the Navajo Sandstone, Kayenta Formation and Wingate Sandstone. Any future injection into a formation other than that permitted will require administrative approval after appropriate sampling and testing.

After reviewing their documentary submission and application, it is my conclusion that Whitmar Exploration Company ought to be granted a permit to utilize the SWD #1 well for injecting field produced water into the proposed Formations. The proposed operations would not result in any meaningful diminution in the quality of the noxious formation water. No negative impacts on any superjacent high quality ground water resource are anticipated resultant of the subject permitted operations.

A properly designed and constructed injection well, combined with periodic mechanical integrity tests (MIT), demonstrably poses no threat to fresh or useable groundwater supplies. On 10/13/05 the operator conducted a successful MIT on this well that was witnessed by Mr. Mark Jones, an inspector from the Division's Price, Utah, office. The Division staff recommends administrative approval of this application.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Christopher J. Kierst Date: 6/26/2006

UIC INJECTION PERMIT ANALYSIS FORM
WELL NAME: WhitMar Exploration SWD #1; API # 4300730979

RG49-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.	Completed Items, Needed Items, & Comments
1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.	1. OK
2. The application for an injection well shall include a properly completed UIC Form 1 and the following:	2. OK
2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.	2.1. OK
2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.	2.2. OK
2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.	2.3. OK
2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.	2.4. N.A.
2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.	2.5. MIT performed @ 1000 psi and witnessed by M. Jones, DOGM on 1/14/06.
2.6. A statement as to the type of fluid to be used for injection. its source and estimated amounts to be injected daily.	2.6. OK
2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.	2.7. OK
2.8. The proposed average and maximum injection pressures.	2.8. OK
2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.	2.9. OK
2.10. Appropriate geological data on the injection interval and confining beds, and nearby Underground Sources of Drinking Water, including the geologic name, lithologic description, thickness, depth, water quality, and lateral extent; also information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.	2.10. OK
2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.	2.11. No wells within ½ mile area of review.
2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.	2.12. OK
2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.	2.13. OK

OTHER COMMENTS AND OBSERVATIONS:

Reviewed by: Christopher J. Kierst Date: 6/22/06

UIC INJECTION PERMIT ANALYSIS FORM

WELL NAME: WhitMar Exploration SWD #1; API # 4300730979

RG49-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.

Completed Items, Needed Items, & Comments

1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
2. The application for an injection well shall include a properly completed UIC Form 1 and the following:
 - 2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.
 - 2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.
 - 2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.
 - 2.4. Copies of logs already on file with the division should be referenced, but need not be refilled.
 - 2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well. *← Withdrssed by MARR*
 - 2.6. A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.
 - 2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.
 - 2.8. The proposed average and maximum injection pressures.

1. OK
2. OK
- 2.1. OK
- 2.2. We will need copies of the logs when they are available.
- 2.3. OK
- 2.4. N.A.
- 2.5. A statement of the proposed method for pressure testing the casing prior to use will be needed.
- 2.6. A statement regarding the type of injectate, its source and an estimate of the amount to be injected daily will be needed.
- 2.7. Specified analyses of the injectate and connate waters and their compatibilities will be needed.
- 2.8. Need estimate of average injection pressure.

2.9. Evidence and data that the injection well will not penetrate into the strata or a confining layer, or formation fluid to

2.10. Appropriate geologic confining beds, and water, including the thickness, depth, water information relative to which may effect the fluids.

2.11. A review of the one-half mile radius no conduit exists that the wellbore and ent

2.12. An affidavit ce
been provided to all
a one-half mile radiu

2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.

Rate Test).

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OTHER COMMENTS AND OBSERVATIONS: Items 2.1 must be satisfied before any additional application processing will occur. Please feel free to call me at (801) 538-5337 or email me at chriskierst@utah.gov if you would like to discuss your application.

UIC INJECTION PERMIT ANALYSIS FORM
WELL NAME: WhitMar Exploration SWD #1; API # 4300730979

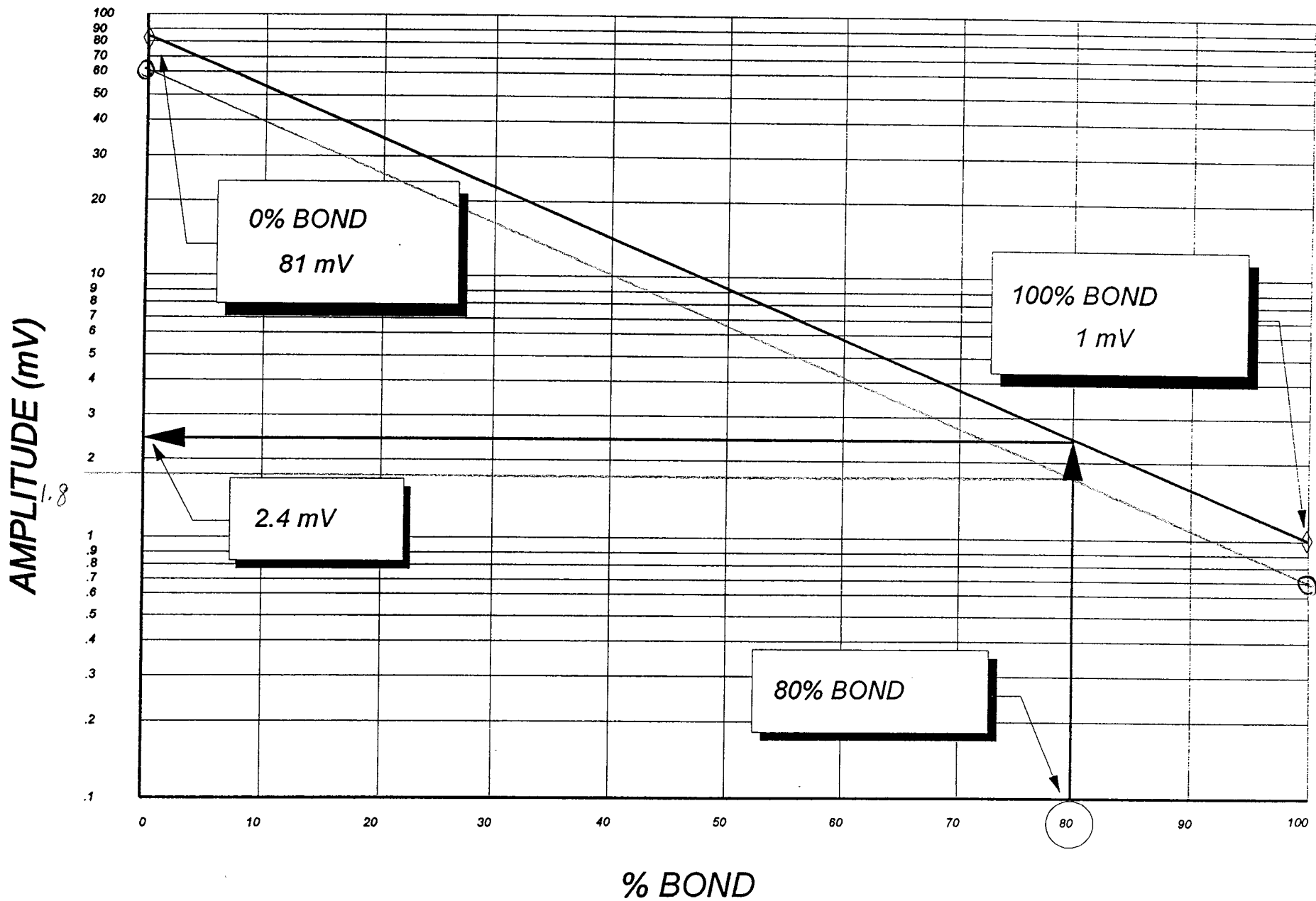
RG49-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.	Completed Items, Needed Items, & Comments
<p>1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.</p> <p>2. The application for an injection well shall include a properly completed UIC Form 1 and the following:</p> <p>2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.</p> <p>2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.</p> <p>2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.</p> <p>2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.</p> <p>2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well. <i>Witnessed by Mark</i></p> <p>2.6. A statement as to the type of fluid to be used for injection. its source and estimated amounts to be injected daily.</p> <p>2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.</p> <p>2.8. The proposed average and maximum injection pressures.</p> <p>2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.</p> <p>2.10. Appropriate geological data on the injection interval and confining beds, and nearby Underground Sources of Drinking Water, including the geologic name, lithologic description, thickness, depth, water quality, and lateral extent; also information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.</p> <p>2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.</p> <p>2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.</p> <p>2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.</p>	<p>1. OK</p> <p>2. OK</p> <p>2.1. OK</p> <p>2.2. We will need copies of the logs when they are available.</p> <p>2.3. OK</p> <p>2.4. N.A.</p> <p>2.5. A statement of the proposed method for pressure testing the casing prior to use will be needed.</p> <p>2.6. A statement regarding the type of injectate, its source and an estimate of the amount to be injected daily will be needed.</p> <p>2.7. Specified analyses of the injectate and connate waters and their compatibilities will be needed.</p> <p>2.8. Need estimate of average injection pressure.</p> <p>2.9. Need the specified evidence and data (usually a Step Rate Test).</p> <p>2.10. Need satisfactory geologic documentation. Recommend inclusion of correlated cross sections (strike and dip) demonstrating continuity of confining interval across an area of several miles around the proposed injection well, and a structure contour map on a relevant horizon (T/JTr_n) for the same or greater area.</p> <p>2.11. No wells within ½ mile area of review.</p> <p>2.12. OK</p> <p>2.13. OK</p>

OTHER COMMENTS AND OBSERVATIONS: Items 2.1 must be satisfied before any additional application processing will occur. Please feel free to call me at (801) 538-5337 or email me at chriskierst@utah.gov if you would like to discuss your application.

UIC INJECTION PERMIT ANALYSIS FORM
WELL NAME: WhitMar Exploration SWD #1; API # 4300730979

RG49-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.	Completed Items, Needed Items, & Comments
1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.	1. OK
2. The application for an injection well shall include a properly completed UIC Form 1 and the following:	2. OK
2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.	2.1. The submitted application documentation does not include a properly drafted specified plat. This constitutes a fatal flaw and results in no further processing of this application by the Division. When the Division receives an acceptable copy of the plat, application processing will resume.
2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.	2.2. We will need copies of the logs when they are available.
2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.	2.3. OK
2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.	2.4. N.A.
2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.	2.5. A statement of the proposed method for pressure testing the casing prior to use will be needed.
2.6. A statement as to the type of fluid to be used for injection. its source and estimated amounts to be injected daily.	2.6. A statement regarding the type of injectate, its source and an estimate of the amount to be injected daily will be needed.
2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.	2.7. Specified analyses of the injectate and connate waters and their compatibilities will be needed.
2.8. The proposed average and maximum injection pressures.	2.8. Need estimate of average injection pressure.
2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.	2.9. Need the specified evidence and data (usually a Step Rate Test).
2.10. Appropriate geological data on the injection interval and confining beds, and nearby Underground Sources of Drinking Water, including the geologic name, lithologic description, thickness, depth, water quality, and lateral extent; also information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.	2.10. Need satisfactory geologic documentation. Recommend inclusion of correlated cross sections (strike and dip) demonstrating continuity of confining interval across an area of several miles around the proposed injection well, and a structure contour map on a relevant horizon (T/JTr _n) for the same or greater area.
2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.	2.11. No wells within ½ mile area of review.
2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.	2.12. OK
2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.	2.13. OK

OTHER COMMENTS AND OBSERVATIONS: Items 2.1 must be satisfied before any additional application processing will occur. Please feel free to call me at (801) 538-5337 or email me at chriskierst@utah.gov if you would like to discuss your application.



Whitman SWD #1 4300730979

CBL presents 59' in

TABLE 2 - TRAVEL TIMES AND AMPLITUDES FOR FREE PIPE
(3 FT RECEIVER)

CASING SIZE (in)	CASING WEIGHT (lb/ft)	TRAVEL TIME (μ s)		AMPLITUDE (mV)
		1-11/16" TOOL	3-5/8" TOOL	
4-1/2	9.5	252	233	81
	11.6	250	232	81
	13.5	249	230	81
5	15.0	257	238	76
	18.0	255	236	76
	20.3	253	235	76
5-1/2	15.5	266	248	72
	17.0	265	247	72
	20.0	264	245	72
	23.0	262	243	72
7	23.0	291	271	62
	26.0	289	270	62
	29.0	288	268	62
	32.0	286	267	62
	35.0	284	265	62
	38.0	283	264	62
7-5/8	26.4	301	281	59
	29.7	299	280	59
	33.7	297	278	59
	39.0	295	276	59
9-5/8	40.0	333	313	51
	43.5	332	311	51
	47.0	330	310	51
	53.5	328	309	51
10-3/4	40.5	354	333	48
	45.5	352	332	48
	51.0	350	330	48
	55.5	349	328	48



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

January 24, 2006

Mark Weigt
WhitMar Exploration Company
555 17th Street, Suite 880
Denver, CO 80202-3908

Re: Salt Water Disposal Well # 1, Section 34,
Township 13 South, Range 11 East, Carbon County, Utah

Dear Mr. Weigt:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II salt water disposal well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by WhitMar Exploration Company.
3. Temporary injection is permitted within a Maximum Allowable Surface Pressure of 910 psig in an interval in the Navajo Sandstone, Kayenta Formation and Wingate Sandstone between 5,708' and 6,375' TD.
4. Conduct a step rate test within 6 months (on or before July 24, 2006) to establish the maximum allowable surface injection pressure and submission of a copy to the Division. A final permit will be issued upon receipt of an acceptable step rate test.

Page 2
Mr. Mark Weigt
January 24, 2006

If you have any questions regarding this approval or the necessary requirements, please contact Christopher Kierst at (801) 538-5337 at this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gil Hunt', with a stylized, flowing script.

Gil Hunt
Associate Director

CK:mf

cc: Dan Jackson, Environmental Protection Agency
Eric Jones, BLM Moab Office
Carbon County Planning

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE	:	
APPLICATION OF WHITMAR	:	NOTICE OF AGENCY ACTION
EXPLORATION FOR	:	
ADMINISTRATIVE APPROVAL OF THE	:	CAUSE NO. UIC 327
SWD #1 WELL LOCATED IN SECTION	:	
34, TOWNSHIP 13 SOUTH, RANGE 11	:	
EAST, CARBON COUNTY, UTAH, AS A	:	
CLASS II INJECTION WELL	:	

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

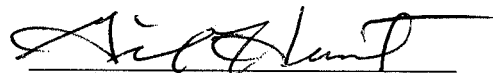
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Whitmar Exploration for administrative approval of the SWD #1 well, located in Section 34, Township 13 South, Range 11 East, Carbon County, Utah, for conversion to a Class II injection well. The adjudicative proceeding will be conducted informally according to Utah Admin.Rule R649-10, Administrative Procedures.

Selective zones in the Navajo, Kayenta & Wingate Formations will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Whitmar Exploration.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is Gil Hunt, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 29th day of December, 2005.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Gil Hunt
Associate Director

**Whitmar Exploration
SWD #1
Cause No. UIC 327**

Publication Notices were sent to the following:

Whitmar Exploration
1021 Main Street Suite 1100
Houston, TX 77002


Emery County Progress (435)381-2431
410 East Main Street Ste B
Castle Dale, UT 84513

via E-Mail and Facsimile (801) 237-2577)
Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

BLM, Price District Office
Bureau of Land Management
125 South 600 West
Price, UT 84501

Carbon County Planning
120 East Main
Price, UT 84501

Dan Jackson
US EPA Region VIII, Suite 5000
999 18th Street
Denver, CO 80202-2466



Marie Fontaine
Executive Secretary
December 29, 2005

December 29, 2005

SENT VIA E-MAIL AND FAX

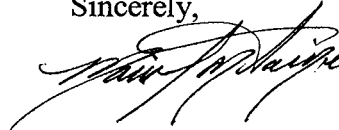
Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

Re: Notice of Agency Action - Cause No. UIC 327

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, Suite 1210, PO Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

A handwritten signature in black ink, appearing to read "Marie Fontaine", with a stylized, flowing script.

Marie Fontaine
Executive Secretary

encl.

December 29, 2005

SENT VIA E-MAIL AND FAX

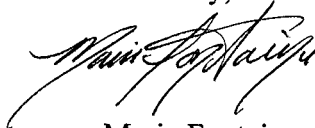
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Sincerely,

A handwritten signature in cursive script, appearing to read "Marie Fontaine".

Marie Fontaine
Executive Secretary

encl.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC 327

IN THE MATTER OF THE APPLICATION OF WHITMAR EX-
PLORATION FOR ADMINISTRATIVE APPROVAL OF THE SWD
#1 WELL LOCATED IN SECTION 34, TOWNSHIP 13
SOUTH, RANGE 11 EAST, CARBON COUNTY, UTAH, AS A
CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas
and Mining (the "Division") is commencing an informal
adjudicative proceeding to consider the application of
Whitmar Exploration for administrative approval of the
SWD #1 well, located in Section 34, Township 13 South,
Range 11 East, Carbon County, Utah, for conversion to a
Class II injection well. The adjudicative proceeding will
be conducted informally according to Utah Admin. Rule
R649-10, Administrative Procedures.

Selective zones in the Navajo, Kayenta & Wingate
Formations will be used for water injection. The maxi-
mum requested injection pressure and rate will be de-
termined based on fracture gradient information submit-
ted by Whitmar Exploration.

Any person desiring to object to the proposed appli-
cation or otherwise intervene in the proceeding, must file
a written protest or notice of intervention with the Divi-
sion within fifteen days following publication of this no-
tice. The Division's Presiding Officer for this proceeding
is Gil Hunt, Associate Director at PO Box 145801, Salt
Lake City, Utah 84114-5801, phone number (801) 538-
5340. If such a protest or notice of intervention is re-
ceived, a hearing will be scheduled in accordance with
the aforementioned administrative procedure rule. Pro-
testants and/or interveners should be prepared to
demonstrate at the hearing how this matter affects their
interests.

Dated this 29th day of December, 2005.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

Gil Hunt
Associate Director

8202XYY4

*Salt Lake
Tribune*

NOTICE OF AGENCY ACTION

CAUSE NO. UIC 327

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF Whitmar Exploration FOR ADMINISTRATIVE APPROVAL OF THE SWD #1 WELL LOCATED IN SECTION 34, TOWNSHIP 13 SOUTH, RANGE 11 EAST, Carbon COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Whitmar Exploration for administrative approval of the SWD #1 well, located in Section 34, Township 13 South, Range 11 East, Carbon County, Utah, for conversion to a Class II Injection well. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Navajo, Kayenta & Wingate Formations will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Whitmar Exploration.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is Gil Hunt, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 29th day of December, 2005.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
Gil Hunt
Associate Director

Published in the Emery County Progress January 10, 2006.

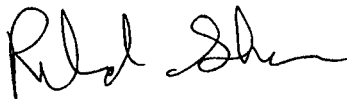
AFFIDAVIT OF PUBLICATION

STATE OF UTAH)

SS.

County of Emery,)

I, Richard Shaw, on oath, say that I am the General Manager of the Emery County Progress, a weekly newspaper of general circulation, published at Castle Dale, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 (One) consecutive issues, and that the first publication was on the 10th day of January, 2006 and that the last publication of such notice was in the issue of such newspaper dated the 10th day of January, 2006.



Richard Shaw - General Manager

Subscribed and sworn to before me this 10th day of January, 2006.



Notary Public My commission expires January 10, 2007 Residing at Price, Utah

Publication fee, \$ 65.56

NOTICE OF AGENCY ACTION

CAUSE NO. UIC 327

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF Whitmar Exploration FOR ADMINISTRATIVE APPROVAL OF THE SWD #1 WELL LOCATED IN SECTION 34, TOWNSHIP 13 SOUTH, RANGE 11 EAST, Carbon COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER:

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Whitmar Exploration for administrative approval of the SWD #1 well, located in Section 34, Township 13 South, Range 11 East, Carbon County, Utah, for conversion to a Class II injection well. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

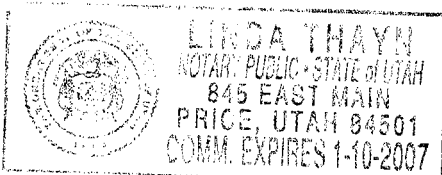
Selective zones in the Navajo, Kayenta & Wingate Formations will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Whitmar Exploration.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is Gil Hunt, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 29th day of December, 2005.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
Gil Hunt
Associate Director

Published in the Emery County Progress January 10, 2006.



COPY

Newspaper Agency Corporation

4770 S. 5600 W.

P.O. BOX 704005

The Salt Lake Tribune

DESERET
Morning News

CUSTOMER'S
COPY

WEST VALLEY CITY, UTAH 84170

PROOF OF PUBLICATION

FED.TAX I.D.# 87-0217663

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	01/07/06

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8202XY41
SCHEDULE	
START 01/07/06	END 01/07/06
CUST. REF. NO.	
UIC 327	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
53 LINES	2.00 COLUMN
TIMES	RATE
1	1.68
MISC. CHARGES	AD CHARGES
.00	183.08
TOTAL COST	
183.08	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC 327

IN THE MATTER OF THE APPLICATION OF WHITMAR EXPLORATION FOR ADMINISTRATIVE APPROVAL OF THE SWD #1 WELL LOCATED IN SECTION 34, TOWNSHIP 13 SOUTH, RANGE 11 EAST, CARBON COUNTY, UTAH, AS A CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Whitmar Exploration for administrative approval of the SWD #1 well, located in Section 34, Township 13 South, Range 11 East, Carbon County, Utah, for conversion to a Class II injection well. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R640-1.0, Administrative Procedures.

Selective zones in the Navajo, Kayenta & Wingate Formations will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Whitmar Exploration.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is Gil Hunt, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 29th day of December, 2005.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
Gil Hunt
Associate Director

8202XY4

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA FOR DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 01/07/06 END 01/07/06

SIGNATURE [Signature]

DATE 01/07/06



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **WhitMar Exploration Company**

3a. Address
555 17th St., Ste. 880, Denver, CO 80202

3b. Phone No. (include area code)
303-991-9400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**946' FSL, 1008' FEL
SE/SE, Sec. 34, T13S, R11E, SLB&M**

5. Lease Serial No.

UTU-80556

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

SWD #1

9. API Well No.

43-007-30979

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Carbon, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other MIT Test
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A mechanical integrity was conducted on the SWD #1 disposal well on 6/7/07. The well contains a packer, bottom of packer is set @ 5709.27'. Top perforation is at 5735' GL. 7" casing was tested to 1225 psi for 30 minutes with no leak-off.

DOGM representative Mark Jones was present for and signed off on test.

**With questions or concerns please contact:
Frankie Hathaway
Office Manager-Stinson Well Services
(435) 637-8570**

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Frankie Hathaway

Title **Agent for WhitMar Exploration**

Signature

Frankie Hathaway

Date

6/8/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

JUN 11 2007

DIV. OF OIL, GAS & MINING

INJECTION WELL - PRESSURE TEST

Well Name: <u>SWD #1</u>	API Number: <u>43007-30919</u>
Qtr/Qtr: <u>SE/SE</u> Section: <u>34</u>	Township: <u>34</u> Range: <u>11E</u>
Company Name: <u>Whitmar Exploration Co.</u>	
Lease: State <u> </u> Fee <u> </u>	Federal <u>X</u> Indian <u> </u>
Inspector: <u>Mark J. Jones</u>	Date: <u>6/7/2007</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psiCasing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1250 #</u>	<u>0</u>
5	<u> </u>	<u> </u>
10	<u> </u>	<u> </u>
15	<u>1250 #</u>	<u>0</u>
20	<u> </u>	<u> </u>
25	<u> </u>	<u> </u>
30	<u>1250 #</u>	<u>0</u>

Results: Pass/Fail

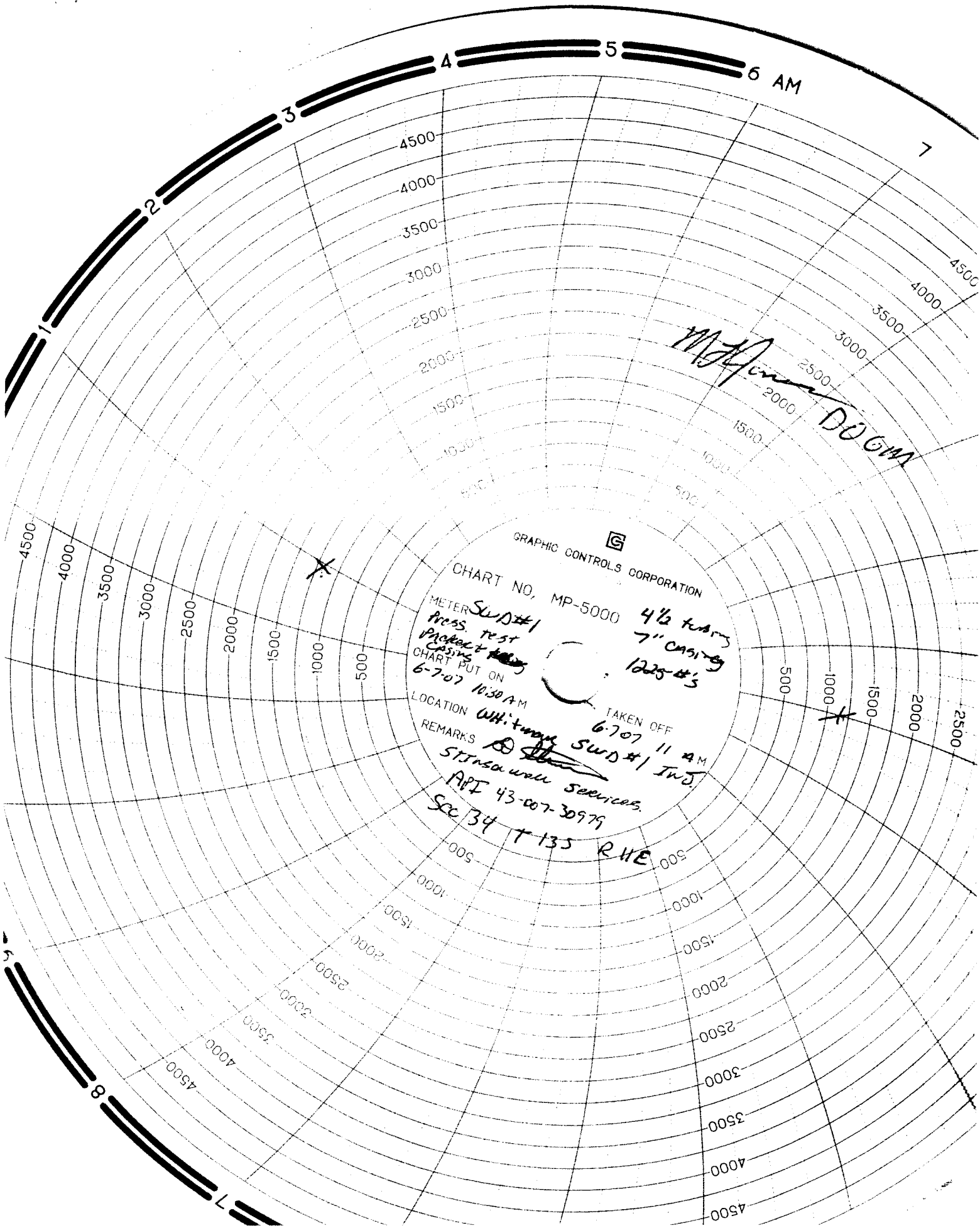
Conditions After Test:

Tubing Pressure: 0 psiCasing/Tubing Annulus Pressure: 75 psi

COMMENTS: 3 1/2" tubing was pulled and 4 1/2" installed
in December 2006. No records of new MIT
could be located, therefore division requested
MIT to be performed.

[Signature]
 Operator Representative

Pumps shut down for test. Restarted after test.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **WhitMar Exploration Company**

3a. Address
555 17th St., Ste. 880, Denver, CO 80202

3b. Phone No. (include area code)
303-991-9400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**946' FSL, 1008' FEL
SE/SE, Sec. 34, T13S, R11E, SLB&M**

5. Lease Serial No.
UTU-80556

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
SWD #1

9. API Well No.
43-007-30979

10. Field and Pool, or Exploratory Area
Undesignated

11. County or Parish, State
Carbon, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other MIT Test
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A mechanical integrity was conducted on the SWD #1 disposal well on 6/7/07. The well contains a packer, bottom of packer is set @ 5709.27'. Top perforation is at 5735' GL. 7" casing was tested to 1225 psi for 30 minutes with no leak-off.

DOGM representative Mark Jones was present for and signed off on test.

With questions or concerns please contact:
**Frankie Hathaway
Office Manager-Stinson Well Services
(435) 637-8570**

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Frankie Hathaway

Title **Agent for WhitMar Exploration**

Signature

Frankie Hathaway

Date

6/8/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

JUN 11 2007

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2012

FROM: (Old Operator): N2585- Whitmar Exploration Company 555 17th Street Suite 880 Denver, CO 80202 Phone: 1 (TO: (New Operator): N3695- Emery Resources Holdings, LLC 8350 E Raintree Dr Suite 12 Scottsdale, AZ 85260 Phone: 1 (480) 528-6836
---	---

CA No.			Unit:		N/A		
WELL NAME	SEC TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List							

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/16/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/9/2012
- Is the new operator registered in the State of Utah: _____ Business Number: 6724027-0160
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 11/9/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not et BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 4/27/2012

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 11/13/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/13/2012
- Bond information entered in RBDMS on: 11/13/2012
- Fee/State wells attached to bond in RBDMS on: 11/13/2012
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB002885
- Indian well(s) covered by Bond Number: N/A
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 29209491
29209509
- The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: #####

COMMENTS:

Whitmar Exploration Company (N2585) to
Emery Resources Holdings, LLC (N3695)

Effective 1/1/2012

Well Name	Sec	Twp	Rng	API Number	Entity	Lease	Type	Status	Conf
SWD #1	34	130S	110E	4300730979	14920	Federal	WD	A	
10-3	10	140S	110E	4300730952	14744	Federal	GW	OPS	C
34-1	34	130S	110E	4300730884	14968	Federal	GW	P	
27-2	27	130S	110E	4300730939	14746	Fee	GW	P	
27-4	27	130S	110E	4300730940	14757	Fee	GW	P	
26-3	26	130S	110E	4300730957	15014	Federal	GW	P	
27-3	27	130S	110E	4300730958	14745	Federal	GW	P	
34-2	34	130S	110E	4300730960	15038	Federal	GW	P	
22-4	22	130S	110E	4300730956	14983	Federal	GW	S	
26-2	26	130S	110E	4300730963	15003	Federal	GW	S	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:

Emery Resource Holdings LLC

N 3695

3. ADDRESS OF OPERATOR:

8350 E Raintree Dr. Suite 12 CITY Scottsdale

STATE AZ

ZIP 85260

PHONE NUMBER:

(480) 528-6836

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

See attached list

BLM Bond # UTB 002885

Fee Bond # 0029209491 + 0029209509

Effective date 1-1-2012

WHITMAR EXPLORATION COMPANY SOLD ALL OF ITS
UTAH WELLS/ASSETS TO EMERY RESOURCES

Whitmar Exploration Co.

name- BENJAMIN M. ZAPP

signature-  03/30/12

X122

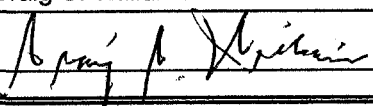
N2585

NAME (PLEASE PRINT) Craig C. Williams

TITLE

President

SIGNATURE



DATE

1-12-12

(This space for State use only)

APPROVED

NOV 13 2012

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

APR 16 2012

DIV. OF OIL, GAS & MINING

Well Name	API #		Section	Township	Range	Lease	
Well in operation							
SWD #1	43-007-30979	SESE	34	13S	11E	FEE w/ Fed Minerals	
34-1	43-007-30884	NWNE	34	13S	11E	FEE	
27-2	43-007-30939	NWNW	27	13S	11E	FEE	
27-4	43-007-30940	NWSE	27	13S	11E	FEE	
22-4	43-007-30956	SESE	22	13S	11E	Federal	
26-3	43-007-30957	NWSW	26	13S	11E	Federal	
27-3	43-007-30958	NWSW	27	13S	11E	Federal	
34-2	43-007-30960	NWNW	34	13S	11E	Federal	
26-2	43-007-30963	NWNW	26	13S	11E	Federal	
Well APD							
34-4	43-007-31335	NWSE	34	13S	11E	FEE w/ Fed Minerals	APD
34-3	43-007-31344	SWSW	34	13S	11E	Federal	APD
Well to be plugged							
10--3	43-007-30952	NWSW	10	14S	11E	Federal	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number SWD #1	API Number 4300730979
Location of Well Footage : County : Carbon QQ, Section, Township, Range: SESE 34 13S 11E State : UTAH	Field or Unit Name Helper Field Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 1/1/2012

CURRENT OPERATOR

Company: Whitmar Exploration Co.
Address: 555 S 17th st. Suite 880
city Denver state CO zip 80202
Phone: (303) 991-9400
Comments:

Name: BENJAMIN ZAPP
Signature: *[Signature]*
Title: OPERATIONS ENGINEER
Date: 03/30/12

NEW OPERATOR

Company: Emery Resource Holdings LLC
Address: 8350 E. Raintree Dr. Suite 125
city Scottsdale state AZ zip 85260
Phone: (480) 528-6836
Comments:

Name: Craig C. Williams
Signature: *[Signature]*
Title: President
Date: 1-12-12

(This space for State use only)

Transfer approved by: *[Signature]*
Title: UIC Geologist

Approval Date: 4/27/12

Comments:

This well is due for a 5 year MIT
Please contact Mark Jones at 435-820-8504
to set up a test ASAP



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 5, 2014

Certified Mail #70112970000188282044

Emery Resource Holdings
8350 East Raintree Drive, Suite 125
Scottsdale, AZ 85260

3A 13S 11E

SUBJECT: Pressure Test for Mechanical Integrity on SWD #1, 43-007-30979, Carbon County, Utah:

Gentlemen:

The Underground Injection Control Program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October 1982. The following well now requires a current test:

SWD #1, API 43-007-30979

Please make arrangements and ready the well for testing during the week of September 1st, 2014, as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves, etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the well(s) to be tested on this date the test(s) may be rescheduled.
4. Company personnel should meet a DOGM representative(s) at the field office or other location as negotiated.



Page 2

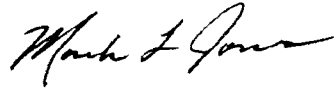
August 5, 2014

Resolute Natural Resources

5. All bradenhead valves with exception of the tubing on the injection well(s) must be shut-in 24 hours prior to testing.

Please contact me at (435) 820-8504 to arrange a meeting time and place or to negotiate a different date, if the date(s) specified is unacceptable.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Jones", written in a cursive style.

Mark Jones
Environmental Scientist

mj/dj/js

cc: Dan Jarvis, Operations Manager
Well File

7011 2970 0001 8828 2044

U.S. Postal ServiceTM
CERTIFIED MAILTM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	8/10/2014 Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

Total Post **EMERY RESOURCE HOLDINGS**

Sent To **8350 E RAINTREE DR STE 125**

Street, Apt. or PO Box
SCOTTSDALE AZ 85260

City, State, .

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION


- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EMERY RESOURCE HOLDINGS
8350 E RAINTREE DR STE 125
SCOTTSDALE AZ 85260

2. Article Number
(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature  ☐ Agent ☐ Addressee

B. Received by (Printed Name) **ENRIQUEZ** C. Date of Delivery **8-8-14**

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

RECEIVED

AUG 11 2014

3. Service Type
☒ Certified Mail ☐ Registered ☐ Insured Mail ☐ Return Receipt for Merchandise ☐ C.O.D.
DIV. OF OIL, GAS & MINING

4. Restricted Delivery? (Extra Fee) ☐ Yes



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 18, 2015

Certified Mail #7014 2870 0001 4232 5006

Emery Resource Holdings
8350 East Raintree Drive, Suite 125
Scottsdale, AZ 85260

SUBJECT: Pressure Test for Mechanical Integrity on SWD #1, 43-007-30979, Carbon County, Utah:

34 135 11E

Gentlemen:

The Underground Injection Control Program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October 1982. The following well now requires a current test:

SWD #1, API 43-007-30979

Please make arrangements and ready the well for testing during the week of September 14, 2014, as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves, etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the well(s) to be tested on this date the test(s) may be rescheduled.
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Page 2

August 18, 2015

Emery Resource Holdings

5. All bradenhead valves with exception of the tubing on the injection well(s) must be shut-in 24 hours prior to testing.

Please contact me at (435) 820-8504 to arrange a meeting time and place or to negotiate a different date, if the date(s) specified is unacceptable.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Jones", with a stylized flourish at the end.

Mark Jones
Environmental Scientist

mj/dj/js

cc: Dan Jarvis, Operations Manager
Well File

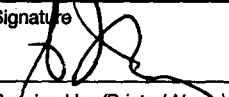
7014 2870 0001 4232 5006

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OFFICIAL USE

Postage	\$	8/26/2015	Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage			
Sent To EMERY RESOURCE HOLDINGS 8350 E RAINTREE DR STE 125 SCOTTSDALE AZ 85260			
Street & Apt. or PO Box No.			
City, State, Z			
PS Form 3800, July 2014 See Reverse for Instructions			

SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: EMERY RESOURCE HOLDINGS 8350 E RAINTREE DR STE 125 SCOTTSDALE AZ 85260 2. Article Number (Transfer from service label) 7014 2870 0001 4232 5006	COMPLETE THIS SECTION ON DELIVERY A. Signature X  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by (Printed Name) Craig Wilson C. Date of Delivery 9-1-15 D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No RECEIVED SEP - 4 2015 3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Priority Mail Express <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
--	--

PS Form 3811, July 2013 Domestic Return Receipt